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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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RESULT 2 US-09-221-456-2

Sequence

2, Application US/09221456

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Sequence 2, Application US/08852824C
Patent No. 6060772
GENERAL INFORMATION:
APPLICANT: Li et al.
TITLE OF INVENTION: Human G-Protein Coupled R
FILE REFERENCE: 1488.1220000
CURRENT APPLICATION NUMBER: US/08/852,824C
CURRENT FILING DATE: 1997-05-04
NUMBER OF SEQ ID NOS: 18
SOTTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 342
TYPE: PRT
ORGANISM: genomic
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Patent No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  257 IPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLMACLDPFIYFFLCKSFRNSLISMLKCP 316
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                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: FactSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221,456 FILING DATE: 28-DEC-1998
CLASSIFICATION:
                                    APPLICANT: SATHE, GANESH
APPLICANT: HALSEY, WENDY
APPLICANT: WILK, ALISON
APPLICANT: CHAMBERS, JON
APPLICANT: CHAMBERS, PHILIP
ITILE OF INVENTION: METHODS OF SCREE
TITLE OF INVENTION: AND ANTAGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/956,975
FILING DATE: 23-OCT-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                  NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23,031
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REPERENCE/DOCKET NUMBER: G
TELECOMMUNICATION INFORMATION
TELEPHONE: 610-407-0700
TELEPAX: 610-407-0700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 846169
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               333 amino acids
                                                                                                                                                                                                                                                                                                                                   ZIP: 19482
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: protein
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STRANDEDNESS: si
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                   USA
Patent No. 6162899
                                                                                                                                                                                                                                                                                                                 COUNTRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-221-456-2
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257 IPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDFFIYFFICKSFRNSLISMLKCP 316
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       137 NLLGAKILSVVIWAFMFLLSLPNMILTNROPRDKNVKKCSFLKSEFGLVWHBIVNYICQV 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        135 KPVPAKTVSIPIMPFLPPISLPNTILSNKRATPSSYKKCASLKGPLGLKWHOWVNNICQF 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFHFAR 256
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 77 PPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 CTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLKNTVISDLLMILT
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Best Local Similarity 48.7%; Pred. No. 7.66-63;
                                                                APPLICANT: SATHE, GANESH
APPLICANT: AALISEY, WENDY
APPLICANT: HALSEY, WENDY
APPLICANT: HALSEY, WENDY
APPLICANT: CHAMBERS, JON
APPLICANT: CHAMBERS, JON
APPLICANT: SZEKERES, PHILIF
TITLE OF INVENTION: MATHAGOMISTS OF THE HNEARS RECEPTOR
FILE REFERENCE: GH-70318-2
CURRENT APPLICATION NUMBER: US/09/558,740
CURRENT FILING DATE: 2000-04-26
PRIOR APPLICATION NUMBER: 08/956,975
PRIOR FILING DATE: 1999-10-23
PRIOR FILING DATE: 1998-12-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Guegler, Karl
APPLICANT: Muzong Office
TITLE OF INVENTION: NOVEL HUMAN CHEMOKINE RECEPTOR-LIKE
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
LENGTH: 333
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Sequence 2, Application US/09558740
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Matches 154; Conservative
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66 TVISDLLMILTFPPKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQK 125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                246 FICEVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSF 305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FVCFVPYHIARIPYTKSQTEAHYSCQSKEILRYMKEFTLLLSAANVCLDPIIYFFLCQPF 301
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 NLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLKN
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Polynucleotides Encoding Human G-Protein
Coupled Receptor GPR2
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                                                                                               ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVE., NW, SUITE 600
CITY: WASHINGTON
                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPOTER: IBM PC COMPATIBLE
COMPOTER: IBM PC COMPATIBLE
COMPOTER: PATENTIN RELEASE #1.0, VERSION #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,948A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: PT/US95/04079
FILING DATE: 30-MAR-1995
ATTOMNEY: ASSETTION NUMBER: PT/US95/04079
FILING DATE: 30-MAR-1995
ATTOMNEY: ASSETTION NUMBER: DATA COMPATION:
ANAME: COMPATION NUMBER: DATA COMPATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: STEFF, ERIC K.
REGISTRATION NUMBER: 36,688
REFRENCE/DOCKET NUMBER: 1486
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              306 RNSLISMLKCPNSA 319
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TYPE: amino acid
STRANDEDNESS: single
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TOPOLOGY: not relevant
  TITLE OF INVENTION: POLYTITLE OF INVENTION: COUNTED OF SEQUENCES: 30 CORRESPONDENCE ADDRESS: ADDRESSEE: STERME, KESTEET: 1100 NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
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                                                                                                                                                                        STATE: D
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                255 VPYTHSQTNNKTDCRLQNQLFIAKETTLFLAATNICMDPLISIFLCKKFTEKLPCMQ--G 312
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17 CTRDYKITQVLFFLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLKNTVISDLLMILT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    197 IFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFHFAR
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; Pred. No. 1.3e-60;
57; Mismatches 106; Indels
                                                                      MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/OS/812,871
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
PLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                               F-0237 US
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GENERAL INFORMATION:
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BULT, CAROL J.
SUTTON III, GRANGER G.
                                                                                                                                                                                                                                                                                                               ATTORNEY AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  317 NSATSLSQDNRKKEQD 332
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Best Local Similarity 47.8%;
Matches 151; Conservative 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 333 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LI, YI
CAO, LIANG
NI, JIAN
                                                 COMPUTER READABLE FORM MEDIUM TYPE: Disket1
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CLONE: 568987
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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Sequence 8, Application US/0898876
Patent No. 6063596
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ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0:
TELEPOWNUTCATION INFORMATION:
TELEPHONE: 650-855-0555
TELEPHONE: 650-845-4166
                                                                                                                                                                                                                                                                              3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                      ZIF: 34304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPALIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX:
INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 338 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 47.5
Matches 149; Conservative
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
                                                                                                                                                                                                                                                                   STREET: 31/2
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OPERATING SYSTEM:
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LIBRARY: Ge. 285995
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                                                                                                                                                                                                                                                                                                                                             USA
                                                                                                                                                                                                                                                                                                                                                               ZIP: 94304
                                                                                                                                                                                                                                                                                                    CITY: Pal
STATE: CA
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-988-876-8
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182 WHKASNYIFVAIFWIVFLLLIVFYTAITKKIFKSHLKSSRNSTSVKKKSSRNIFSIVFVF 241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                126 TTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKSBFGLV 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 NSTSTQPPDESCSQNLLITQQIIPVLYCMVFIAGILLNGVSGWIFFYVPSSKSFIIYLKN 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6 NLTSAPGNTSLCTRDYKITQVLFFLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLKN 65
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               APPLICANT: NI, JIAN
APPLICANT: GENTZ, REINER
APPLICANT: GENTZ, REINER
APPLICANT: SUTTON III, CHANGER G.
APPLICANT: SUTTON III, CHANGER G.
APPLICANT: ROSEN, CRAIG A.
TITLE OF INVENTION: Polymucleotides Encoding Human G-Frotein
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVE., NW, SUITE 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match

43.4%; Score 772; DB 3; Length 325;
Best Local Similarity 47.5%; Pred. No. 1.7e-58;
Matches 149; Conservative 60; Mismatches 105; Indels
                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,947A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04079
FILING DATE: 30-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1488.1140002/EKS/KLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36,688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE FOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             306 RNSLISMLKCPNSA 319
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 325 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                        ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
LIANG
                                                                                                                                                                                                                                                                                    USA
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126 TTRPEKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKSEFGLV 185
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GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Olga
APPLICANT: Willman, Jennifer L.
APPLICANT: Yue, Henry
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTORS ASSOCIATED
TITLE OF INVENTION: WITH IMMUNE RESPONSE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                  OFTWARE FASTEM: DOS SOFTWARE FASTED for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/988,876 FILLING DATE: Herewith
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G PROTEIN COUPLED RECEPTORS ASSOCIATED WITH IMMUNE RESPONSE
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43.7%; Pred. No. 1.4e-50;
tive 64; Mismatches 99
                                                                                                                                                                                                                               WEDIOM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastERG for Windows Version 2.0
CURRENT APPLICATION DATA:
                                KESSEE: Incyte Pharmaceuticals, Inc. EET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 10
US-08-467-948A-6
; Sequence 6, Application US/08467948A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION: NAME: Billings, Lucy J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : 358 amino acids
amino acid
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SEQUENCE CHARACTERISTICS:
LENGTH: 358 amino ació
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TELEX:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
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        TITLE OF INVENTION: G
TITLE OF INVENTION: WI
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LIBRARY: PROSTUT09
CLONE: 1650519
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STRANDEDNESS: sing
TOPOLOGY: linear
IMMEDIATE SOURCE:
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                                                                                         ADDRESSEE:
STREET: 317
CITY: Palo
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                                                                                                                                                     STATE: CA
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Best Local S
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APPLICANT: STEWART, BRIAN R.
APPLICANT: STEWART, ROBERT S.
APPLICANT: SARAU, HENRY M.
APPLICANT: ARNOLOGY, JIM ROMANIC
APPLICANT: ARNOLOGY, JIM ROMANIC
TITLE OF INVENTION: METHODS OF SCREENING FOR AGONISTS AND
TITLE OF INVENTION: METHODS OF THE INVERACTION BETWEEN THE HUMAN KIAA0001
TITLE OF INVENTION: ANTAGONISTS OF THE INVERACTION BETWEEN THE HUMAN KIAA0001
TITLE OF INVENTION: ANTAGONISTS OF SCREENING FOR AGONISTS AND
TITLE OF INVENTION: ANTAGONISTS OF THE INVERACTION BETWEEN THE HUMAN KIAA0001
TITLE OF INVENTION: ANTAGONISTS OF THE INVERENCE:
CURRENT FILING DATE: 1999-04-30
PRIOR PPLICATION NUMBER: 60/083.957
PRIOR PLING DATE: 1998-05-01
NUMBER OF SEQ ID NOS: 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        66 TVISDLIMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQK 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              243 FVCFVPYHIARIPYTKSQTEAHYSCQSKEILRYMKEFTLLLSAANVCLDPIIYFFLCQPF 302
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47.5%; Pred. No. 1.7e-58;
tive 60; Mismatches 105; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3, Application US/08988976
Patent No. 665356
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Bandman, Olga
APPLICANT: Hillman, Jennifer L.
APPLICANT: Yue, Henry
                                                                                                                                                                                                Sequence 2, Application US/09303524A Patent No. 6238873 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      303 REILCKKLHIPLKA 316
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                                                           RNSLISMLKCPNSA 319
                                                                                                  303 REILCKKLHIPLKA 316
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 149; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-303-524A-2
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82 NIVVADLIMILIFPFRIVHDAGFGFWYFKFILCRYTSVLFYANNYTSIVFLGLISIDRYL 141
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         185 VWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRK-KVNVKVFIIIA 243
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        244 VFFICEVPEHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCK 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            260 VYFTCFLPYHLCRMPSTFSHLDRLLDESAQKILYYCKEITLFLSACNVCLDPIIYFPMCR 319
                                                                                                                                                                                                                         65 NTVISDLIMILTEPEKILSDAKLGTGPLRTFVCQVTSVIEYFTMYISISFLGLITIDRYQ 124
                                                                                                                                                25 NRSDGPGKNITL---HNBFDIIVLPVLYLIIFVASILLNGLAVWIFFHIRNKTSFIFYLK 81
                                                                                                           6 NLTSAPG-NTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLK
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DB 3; Length 358;
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Application US/08467947A

Sequence

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77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK 136
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APPLICANT: GENTZ, REINER
APPLICANT: GENTZ, REINER
APPLICANT: BULT, CAROL J.
APPLICANT: SUTTON III, GRANGER G.
APPLICANT: ROSEN, CRAIG A.
TITLE OF INVENTION: Polynuclectides Encoding Human G-Protein
TITLE OF INVENTION: Coupled Receptor GFRZ
NUMBER OF SEQUENCES: 30
CORRESONDENCE ADDRESS:
STRPATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 2; Length 293;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
F: 1100 NEW YORK AVE., NW, SUITE 600
WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ,6e-39;
es 104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1488.1140003/EKS/KLM
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42.3%; Pred. No. 2.6e
tive 45; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04079
FILING DATE: 30-MAR-1995
ATTORNEY/AGENT_INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/467,948A FILING DATE: 06-JUN-1995
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ERIC K. 36,688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         URRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 42.3
Matches 116; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK 136
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    75 LPPKILSDSHLAPWQLRAFYCRFSSVIFYETWYVGIVLAGLIAFBRFLKIIRPLRNIFLK 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     197 IFWINFLIVIVCYTLITKE----LYRSYVRTRGVGKVPRKKKVNVKVFIIIAVFFICFVP- 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15 CPKDTRIVQLVPPALYTVVPLTGILLMTLALMVFVHIPSSFFIIYLKNTLVADLIMTLM 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17 CTRDYKITOVLEPLLYTVLERVGLITNGLAMRIFFQIRSKSNFIIFLKNTVISDLLMILT 76
APPLICANT: LI, YI
APPLICANT: CAO, LIANG
APPLICANT: NI, JIAN
APPLICANT: NI, JIAN
APPLICANT: BULT, CAROL J.
APPLICANT: BULT, CAROL J.
APPLICANT: ROSEN, CRAIG B.
TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein
TITLE OF INVENTION: Coupled Receptor GPR1
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSIER, GOLDSTEIN & FOX P.L.L.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30.7%; Score 546.5; DB 3; Length 293; 42.3%; Pred. No. 2:6e-39; tive 45; Mismatches 104; Indels 9;
                                                                                                                                                                                                                                                                          SEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.: 1100 NEW YORK AVE., NW, SUITE 600 WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PATENTIN RELEASE #1.0, VERSION #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1488.1140002/EKS/KLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            252 FHFARIPYTLSQTRDVFDCTAENTLFYVKESTLW 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       255 PHILTVKPTIRLT --- VDCKI-NCLLLKKQLSFW 284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PATENTIN RELEASE #1.0, VERS CURRENT APPLICATION DATA:
APPLICATION NATA:
FILING DATE: 06-JUN-1995
CLASSIFICATION 3435
PILOR APPLICATION DATA
APPLICATION NATA
PILOR APPLICATION DATA
APPLICATION NUMBER: PCT/US95/04079
FILING DATE: 30-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: STEFEZ, ERIC K.
REGISTATION NUMBER: 36.688
REPERENCE/DOCKET NUMBER: 1488.1140002
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 42.33
Matches 116; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPAX: 202-371-2540 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 293 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM
                                                                                                                                                                                                                                                                                                                                                        STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-467-947A-6
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RESULT

RESULT 11 US-08-467-947A-6

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COMPUTER: IBM PC_Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,270
PILION DATE: 09-SEP-1993
PILION DATE: 09-SEP-1993
PRICOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,236
PILION DATE: 10-SEP-1992
ATTORNEY AGENT INFORMATION:
NAME: TOWNSOMM GENT OF THE SERVICATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: MIRPHY=2A
TELECOMMUNICATION INFORMATION;
                                               Application US/08118270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-118-270-39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKSBFGLVWHEI 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180 TNFICVAIF-LNFSAIILISNCLVIRQLYRN----KDNENYFNVKKALINILLVTTGYII 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRN 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VNYICQVIFWINF-LIVIVCYTLITKELYRSYVRTRGVGKVPR-KKVNVKVFIIIAVFFI
                                                                                                APPLICANT: LaValiie, Edward
APPLICANT: Racie, Lisa
APPLICANT: Merbezg, David
APPLICANT: Tracay, Murrice
APPLICANT: Spaulding, Vikki
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: DICODING THEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 1; Length 319; 2.8e-34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 27.4%; Score 488; DB 1; Length 31 Best Local Similarity 34.5%; Pred. No. 2.8e-34; Matches 112; Conservative 62; Mismatches 125; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,344
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               295 KVTETFASPKETKAQKEKLRCENNA 319
                                                                                                                                                                                                                                                                           INCE ADDRESS:
3: Genetics Institute, Inc.
87 CambridgePark Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
28, Application US/08702344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
FELECOMMUNICATION INFORMATION:
FELEPHONE: (617) 498-8224
                                                                                   McCoy, John
LaVallie, Edward
Racie, Lisa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                            STATE: Massachusetts
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein
                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
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APPLICANT: SCHOLAGE TO DAVID IT IN THE OF INVESTIGATIONS OF G-COUPLED PROTEIN
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
NUMBER OF SEQUENCES: 348
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTY: USA
ZIP: 20004
CONPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk 61 SNOGNWFLPKFLCNLAGCLFFINTYCSVARLGVILTYNFFQAVKYPIKTAQATTRKRGIAL 120 195 QVI-FWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFH 253 175 IVLGFFIVFLILFCNLVIHTLLRGPVKQQRNAEV-RRRALMMVCTVIAVFVICFVPHH 233 234 MVQLPWTLAEL-GMWPSSNHQAINDAHQVTLCLLSTNCVLDPVIYCFLTKKFRKHLSEKL 292 1 LFPIVYSIIFVLGIIANGYVLWVFARLYPSKKNBIKIFMVNLTVADLLFLTLTLPLMIVYX 60 121 SLVIWVAIVAAASYFLVMMDSTNVVSNKAGSGNITRC_FERYEKGSKPVLIIH-----IC 174 254 FARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLISML 313 27 LFPLLYTVLFFVGLITNGLAMRIFFQ1-RSKSNF1-IFLKNTVISDLLMILTFPFKILSD 84 85 AKLGTGPLRTFVCQVTSVIFYFTWYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKIL Query Match
23.1%; Score 410.5; DB 1; Length 326;
Best Local Similarity 32.2%; Pred. No. 1.2e-27;
Matches 106; Conservative 65; Mismatches 137; Indels 21 293 NIMRSSOKCSRVTRDTGTEMAIPINHTPV 321

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Sequence 9, Application US/08988876 Patent No. 6063596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Billings, Lucy J. REGISTRATION NUMBER: 36,749
REPERENCE/DOCKET WUMBER: P:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 9: SEQUENCE CHARACTERISTICS: LENGTH: 342 amino acids TYPE: amino acids STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                STATE: C.
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Matches 103;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           234 MVQLPWTLAEL-GMWPSSNHQAINDAHQVTLCLLSTNCVLDPVIYCFLTKKFRKHLSEKL 292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SVVIW-----AFMFLLSLPNMILTNRQPRDKNVKKCSFLKSEFG----LVWHEIVNXIC 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 254 FARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLISML 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27 LFPLLYTVLFFVGLITNGLAMRIFFQI-RSKSNFI-IFLKNTVISDLLMILTFPFKILSD 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     85 AKLGIGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKIL
         Sequence 39 Application PC/TUS9308528
GENERAL INFORMATION:
APPLICANT: New York University
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
NUMBER OF SEQUENCES: 348
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23.1%; Score 410.5; DB 5; Length 326; 32.2%; Pred. No. 1.2e-27; cive 65; Mismatches 137; Indels 21
                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08528
FILING DATE: 09-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 09-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,236
FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: TOWNSENG, Kevin G
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: MUREHY=2 PCT
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        314 KCPNSATSLSQDNRKKEQDGGDPNEETPM 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 293 NIMRSSOKCSRVTRDTGTEMAIPINHTPV 321
                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : 326 amino acids
amino acid
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TELEFAX: 202-737-3528
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Matches 106; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 326 amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                              ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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77 PPFKILSDAKLGTGPLRTFVCQVTSVIPYFTMYISISPLGLITIDRYQKTTRPFKTSNPK 136
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GENERAL INFORMATION:
APPLICANT: Lal, Preet;
APPLICANT: Bandman, Olga
APPLICANT: Hilman, Jennifer L.
APPLICANT: Yue, Henry
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTORS ASSOCIATED
TITLE OF INVENTION: WITH IMMUNE RESPONSE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/988,876
FILING DATE: Herewith
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                          ADDRESSEE: Incyte Pharmaceuticals, Inc. STREET: 3174 Porter Drive CITY: Palo Alto
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OD ò g

Search completed: February 4, 2004, 14:23:34 Job time : 22 secs

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February 4, 2004, 14:22:16; Search time 37 Seconds (without alignments) 1935.371 Million cell updates/sec
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todata/l/pubpaa/US08 NEW PUB.pep:*
todata/l/pubpaa/US09 PUBCOMB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                     801455 segs, 209382283 residues
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                              US-09-780-576-2
1778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published
                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                               Scoring table:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 2, Appli Sequence 2, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 32, Appl	Sequence 6, Appli	Sequence 32, Appl	Sequence 34, Appl	Sequence 643, App	Sequence 2, Appli	Sequence 3, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 12, Appl	Sequence 2, Appli
SUMMARIES	ΩI	US-09-835-922-2 US-09-827-937A-2 P	US-09-780-576-2	US-09-964-008-1	2 US-10-272-983-32 ⊀	US-09-745-842-6 (2 US-10-393-807-32 🛠	2 US-10-417-820A-34 K	5 US-10-225-567A-643	5US-10-333-844-2	US-09-964-008-3	2 US-09-745-842-4	2 US-09-745-842-2	2 US-09-745-842-12	1 US-09-924-125-2
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	* Query Match Length DB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.3	91.9	86.0	9.69	46.6
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187-2 684A-34 968-2 106-2 576-2 576-2 59-2	983-18 807-18 807-18 88203-2 1989-1 498-1	9-497-77 5-842-13 2-684A-42 1-101B-10 5-50B-20 -508-20	83-1 27-354 67A-418 72-22 98-86 01B-1 37-2586
US-09-957-187- US-10-352-684A US-10-308-968- US-10-243-106- US-10-189-576- US-09-769-159-2		14.000 14.000 14.000	US-09-741-783-1 US-10-295-027-3 US-10-295-027-1 US-10-295-027-1 US-09-974-298-8 US-10-121-110B- US-10-264-237-2 US-10-024-494-6
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61 IFLKNIVISDLIMILTEPEKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI 120
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                                                                                                      APPLICANT: Gustafson, Eric
APPLICANT: Gustafson, Eric
APPLICANT: Liu, Yan-Hui
FILE OF INVENTION: Guodong
FILE REFERENCE: CNOI.67K
CURRENT APPLICATION NUMBER: US/09/835,922
CURRENT APPLICATION NUMBER: 2001-04-16
PRIOR APPLICATION NUMBER: US 60/199,041
PRIOR FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO. 2
Sequence 2, Application US/09835922
Patent No. US20010046497A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 342; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
CRGANISM: homo sapiens
US-09-835-922-2
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121 DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS 180
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                                                                                                             241 IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF
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                                       EFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFI
                                                                     BEGLUWHEIUNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGUGKVPRKKUNVKVFI
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                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/09827937A
Patent No. US2002052043A1
GENERAL INFORMATION:
APPLICANT: Liv Yi
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human G-Protein Coupled Receptors
FILE REPRENCE: 1488.1220003
CURRENT APPLICATION NUMBER: US/09/827,937A
CURRENT APPLICATION NUMBER: 08/852,824
PRIOR FILING DATE: 1997-05-07
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin Ver: 2.0
                                                                                                                                                                                      LCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM 342
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APPLICANT: No. US20020072072Athacker, Hans-Peter
APPLICANT: Wang, Zhiwei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09780576 Patent No. US20020072072A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                               RESULT 2
US-09-827-937A-2
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US-09-780-576-2
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APPLICANT: Gluckmann, Maria A.
TITLE OF INVENTION: 15625 Receptor, A No. US20020156246Alel G-Protein Coupled Receptor IIILE REFERENCE: 5800-13, 035800-171548
CURRENT APPLICATION NUMBER: US/09/964,008
CURRENT APPLICATION NUMBER: 090187,134
PRIOR FILING DATE: 1998-11-06
NUMBER: OF SEQ ID NOS: 5
SOFFWARE: Patentin Ver. 2.0
SEQ ID NO 1
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100.0%; Pred. No. 8.1e-159;
iive 0; Mismatches 0;
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100.0%; Pred. No. 8.1e-159;
iive 0; Mismatches 0;
TITLE OF INVENTION: ADP-Glucose Receptor FILE REFERENCE: P-UC 4530 CUREBY APPLICATION NUMBER: US/09/780,576 CURRENT FILING DATE: 2001-02-09 PRIOR APPLICATION NUMBER: US 60/234,025 PRIOR FILING DATE: 2000-09-20 NUMBER OF SEQ ID NOS: 6 SOFTWARE: PastSEQ for Windows Version 4.0 SEQ ID NO 32
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Patent No. US20020156246A1
GENERAL INFORMATION:
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Best Local Similarity 100.
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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iive 0; Mismatches
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APPLICANT: Conley, Pamela B.
APPLICANT: Jantzen, Hans-Michael
APPLICANT: Jantzen, Hans-Michael
APPLICANT: Julius, David
APPLICANT: Hollopeter, Gunter
APPLICANT: COR Therapeutics, Inc.
TITLE OF INVENTION: P2Y12 Receptor
FILE REFERENCE: 44481-5053-US
CURRENT APPLICATION NUMBER: US/09/745,842
CURRENT APPLICATION NUMBER: US/09/11,622
PRIOR APPLICATION NUMBER: US/0171,622
PRIOR FILING DATE: 1999-12-23
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CRGANISM: Homo sapiens
US-09-745-842-6
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LENGTH: 342
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: APPLICATION NUMBER: US/10/272,983
CURRENT FILING DATE: 1991-10-17
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1991-10-12
PRIOR FILING DATE: 1991-02-26
PRIOR FILING DATE: 1991-02-26
PRIOR FILING DATE: 1991-02-26
PRIOR FILING DATE: 1991-03-12
PRIOR FILING DATE: 1991-03-28
PRIOR FILING DATE: 1991-05-28
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Best Local Similarity 100.0%; Pred. No. 8.1v
Matches 342; Conservative 0; Mismatches
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                                                                          APPLICANT: Chen, Ruoping
APPLICANT: Chen, Ruoping
APPLICANT: Dang, Huong T.
APPLICANT: Lin, Huong T.
APPLICANT: Lin, Lin,
APPLICANT: Lin, Lin,
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
FILE REPERBNE: AREN0050
CURRENT FILING DATE: 1999-10.2-1
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR PILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR PILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR PILING DATE: 1999-05-28
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100.0%; Score 1778; DB 12; Length
Best Local Similarity 100.0%; Pred. No. 8.1e-159;
Matches 342; Conservative 0; Mismatches 0; Indels
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Sequence 32, Application US/10393807 Publication No. US20030175891A1 GENERAL INFORMATION:
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ORGANISM: Homo sapiens
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61 IFLKNIVISDLLMILTEPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI 120
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                                                                                   APPLICANT: Liaw, Chen W.
APPLICANT: Chalmers, Derek T.
APPLICANT: Behan, Dominic P.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled TITLE OF INVENTION: Receptors.
FILE REFERENCE: 7.US28.CON
CURRENT FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR PILING DATE: 1999-10-13
PRIOR FILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR PILING DATE: 1999-02-16
PRIOR PILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR PILING DATE: 1999-03-12
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100.0%; Pred. No. 8.1e-159;
iive 0; Mismatches 0;
Sequence 34, Application US/10417820A Publication No. US20030229216A1 GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 342; Conservative
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CRGANISM: Homo saptens
US-10-417-820A-34
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RESULT 9 US-10-225-567A-643

> RESULT 8 US-10-417-820A-34

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GENERAL INFORMATION:
APPLICANT: Gluckemann, Maria A.
APPLICANT:
FILE REFERENCE: 5800-13, 035800-171548
CURRENT APPLICATION NUMBER: US/09/964,008
FILE REPERENCE: 5100-26
FRICH APPLICATION NUMBER: 09/187,134
FRICH APPLICATION NUMBER: 09/187,134
FRICH FILING DATE: 1998-11-06
FRICH FILING DATE: DOOR: 5
SOFTWARE: PATENTING VET: 2.0
SEQ ID NO 3
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     0; Mismatches
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; Sequence 3, Application US/09964008
; Patent No. US20020156246A1
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Matches 335, Conservative
     342; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 342;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Yenanouchi Pharmaceutical Co., Ltd.
TITLE OF INVENTION: Method for screening antiplatelet agents
FILE REFERENCE: Y0122PCT-656
CURRENT APPLICATION NUMBER: US/10/333,844
CURRENT FILING DATE: 2003-01-24
PRIOR APPLICATION NUMBER: UP 2000-334721
PRIOR APPLICATION NUMBER: UP 2001-3577
PRIOR APPLICATION NUMBER: UP 2001-3577
PRIOR FILING-DATE: 2001-01-11
NUMBER OF SEQ ID NOS: 12
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                                                            APPLICANT: LifeSpan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Brown, Joseph P.
APPLICANT: Brown, Goeph P.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR
FILE REPERENCE: 12020-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: Patentin Version 3.1
LENGTH: 342
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Pred. No. 8.1e-159;
Sequence 643, Application US/10225567A Publication No. US20030113798A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/10333844
Publication No. US20030124626A1
GENERAL INFORMATION:
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US-10-225-567A-643
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, ORGANISM: Homo sapiens
US-10-333-844-2
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Best Local Similarity
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US-10-333-844-2
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61 IFLKNTVISDLLMILTPPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI 120
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PUBLICATION NO. US2003017077741
GENERAL INFORMATION:
APPLICANT: CONLEY, Pamela B.
APPLICANT: CONLEY, Pamela B.
APPLICANT: Manakrishnan-DuBridge, Vanitha APPLICANT: Hollopeter, Gunter
APPLICANT: Hollopeter, Gunter
APPLICANT: Hollopeter, Gunter
APPLICANT: COR Therapeutics, Inc.;
TITLE OF INVENTION: P2712 Receptor
FILE REPERENCE: 44481-503-US
CURRENT APPLICATION NUMBER: US/09/745,842
CURRENT FILING DATE: 2000-12-26
; PRIOR APPLICATION NUMBER: US 60/171,622
; PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: US (PRIOR FILING DATE: 1999-12-23 NUMBER OF SEQ ID NOS: 2.1 SOFTWARE: PATENTIN Ver. 2.1 SEQ ID NO 2 LENGTH: 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 21
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                  TYPE: PRT; ORGANISM: Rattus norvegicus
US-09-745-842-2
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US-09-745-842-12
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LENGTH: 267
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       Superior 4, Application US/09745842

Publication No. US2003017077A1

GENERAL INFORMATION:
APPLICANT: Conley, Pamela B.
APPLICANT: Canadaxishan-Dubridge, Vanitha APPLICANT: Hollopeter, Gunter
APPLICANT: Hollopeter, Gunter
APPLICANT: Hollopeter, Gunter
APPLICANT: Hollopeter, Gunter
APPLICANT: Hollopeter, Gunter
APPLICANT: WOR Therappeutica, Inc.
ITLE OF INVENTION: P2X12 Receptor
FILE REFERENCE: 44481-5053-US
CURRENT APPLICATION NUMBER: US/09/745,842
CURRENT APPLICATION NUMBER: US 60/171,622
PRIOR FILING DATE: 1999-12-25
NUMBER OF SEQ ID NOS: 21
SEQ ID NOS: 21
SEQ ID NO 4
FILE PAMEMER: PATENTING PATE: 21
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Publication No. US2003017077A1

GENERAL INFORMATION:
APPLICANT: Conley, Pamela B.
APPLICANT: Cantzen, Hans-Michael
APPLICANT: Units, David
APPLICANT: Units, David
APPLICANT: Unlius, David
APPLICANT: COR Therapeutics, Inc.
TITLE OF INVENTION: P2712 Receptor
FILE REFERENCE: 44481-503-015
CURRENT APPLICATION NUMBER: US/09/745,842
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Best Local Similarity 100.
Matches 315; Conservative
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ORGANISM: Homo sapiens
                                                                                                                             -09-745-842-4
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186 WHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKYNVKVFIIIAVF 245
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                                                                   'n
   DB 12; Length 343;
Query Match 86.0%; Score 1528.5; DB 12; Lengt
Best Local Similarity 86.9%; Pred. No. 2.2e-135;
Matches 293; Conservative 17; Mismatches 22; Indels
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APPLICANT: Communi, Didier
TITLE OF INVENTION: THE NATURAL LIGAND FOR ORPHAN G PROTEIN COUPLED RECEPTOR GPR86 AN
TITLE OF INVENTION: METHODS OF USE
FILE REPRENCE: 9049/2092
CURRENT APPLICATION NUMBER: US/09/924,125
CURRENT FILING DATE: 2001-07-08
PRIOR PAPLICANION NUMBER: US 09/924,125
RIGHT FILING DATE: 2001-07-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.1
DRYQKTTRPPKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS 180
                                                                                                                                                           BFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFI 240
                                                                                                                                                                                      77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTWYISISFLGLITIDRYQKTTRPFKTSNPK 136
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                                                                                                           DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS
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46.6%; Score 829; DB 11; Length 3:
Best Local Similarity 49.1%; Pred. No. 1.1e-69;
Matches 155; Conservative 57; Mismatches 102; Indels
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Publication No. US20030050235A1
GENERAL INFORMATION:
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G protein-coupled Human CON203 G pro Human 7-transmembr Human orphan G pro Human G protein co Human HNEAA81 poly

Rat P2-purinergic Rat MP-10 receptor Human P2-purinergi Human chemckine re Human G protein co Novel human G prot

Macaque ortholog o Human P2-purinergi Murine G protein-c

Human SP168 recept Human PAFR3 protei Human P2Y12 platel

Amino acid sequence Human GPCR polypep Rat 7-transmembran Human chemokine receptor Mouse G protein-co Human KIAA001 rec Human KIAA001 rec Human MIPP-91ucose Human stem cell G-

Total number of

Searched:

Minimum DB Maximum DB

Database

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Sequence:

OM protein

Run on:

Scoring table:

Human endometrial Human UDP-glucose Rat KIAA0001 prote

Mouse 7-transmembr Mouse stem cell G-Human EBV-induced

fuman protein sequ

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EBV-induced G-protein coupled receptor; EBI-2; Epstein-Barr Virus; ulcer; endothelium-differentiation gene; EDG-1-like G-protein coupled receptor; recombinant; agonist; asthma; Parkinson's disease; heart failure; asthma; hypotension; unimary retention; osteoporosis; antagonist; hypertension; angina pectoris; myocardial infarction; allergy; psychosis; depression; migraine; vomiting; stroke, eating disorder; migraine headache; cancer; prostatic hypertrophy; detection; drug screening.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EBV-induced G-protein coupled receptor (EBI-2) polypeptide.
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Human orphan G pro
Human G protein co
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                 GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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and is derived by analysis of
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Human orphan G protein-coupled receptor hCHN8.
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  This represents a EBV-induced G-protein coupled receptor (EBI-2) polypeptide. The encoding DNA is deposited under the accession number ATCC No: 209003. The invention provides two human G-protein coupled receptor polypeptides. The polypeptides are human Epstein-Barr Virus (EBV)-induced G-protein coupled receptor, designated EBI-2 polypeptide cand a human endothelium-differentiation gene (EDG) like G-protein coupled receptor. Vectors comprising the EBI-2 and EDG-1-like polypeptides encoding DNA can be used to transform host cells for the compinant production of the proteins of standary parkinson's disease, acute heart failure, hypotension, unimary retention and osteoporosis. Antagonists can be used for the treatment of hypertension, angina pectoris, myocardial infarction, ulcers, asthma, hypotension, angina pectoris, myocardial infarction, ulcers, asthma, allegies, psychoses, depression, migraine, vonting, stroke, eating disorders, migraine headaches, can be benign prostatic hypertrophy. The products can also be used for detection, diagnosis and drug
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                                                                                                                          New isolated human G-protein coupled receptors - used to develop products for treating e.g. asthma, Parkinson's disease, heart failure, osteoporosis, hypertension, psychoses, eating disorders or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 1778; DB 20; Length 342; 100.0%; Pred. No. 5.3e-187; ive 0; Mismatches 0; Indels 0;
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                                                                                                                                                                                              Claim 1; Fig 1A-C; 65pp; English.
                               (HUMA-) HUMAN GENOME SCI INC
    07-MAY-1997; 97US-0852824
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Matches 342; Conservative
                                                                                  WPI; 1999-034722/03.
N-PSDB; AAV69760.
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The present amino acid sequence is the hCHNB, an endogenous human orphan G protein-coupled receptor (GPCR), expressed in left and right cerebellum, kidney and lung. The hCHNB cDNA was identified using full length EST (expressed sequence tag) 764455 as a probe.

The orphan GPCR of the invention, like all GPCRs has seven transmembrane alpha helices with an extracellular N-terminus and an intracellular C-terminus. However, no endogenous ligands has yet been identified for the proteins of the invention. The orphan GPCRs may be used in the identification of their endogenous ligands, and to screen potential GPCR identification of their endogenous ligands.
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hCHN8; drug screening;
EST; signal cascade.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel human orphan G protein-coupled receptors and the encoding cDNAs for use in the identification of G protein-coupled receptor agonists
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Human; orphan G protein-coupled receptor; GPCR;
transmembrane receptor; expressed sequence tag;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 62; Page 82-83; 102pp; English.
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99US-0157293.
99US-0157294.
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99US-0417044
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Best Local Similarity 100.0
Matches 342; Conservative
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N-PSDB; AAD01133.
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AAY71306 standard; Protein; 342

AAY71306

(first entry)

02-NOV-2000 AAY71306;

us-09-780-576-2.rag

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Lin I,
               2000-317986/27.
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Liaw CW,
                        N-PSDB; AAA46034
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                                                                                                               241 IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF 300
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                                                DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS
                                                                                          181 BFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFI
1 MQAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI
                             61 IPLKNTVISDLLMILTPPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI
                                                                                                                                                                                                                                                                        Human, G protein coupled receptor, GPCR, transmembrane receptor,
identification, agonist, screening, therapeutic, pharmaceutical,
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                                                                                                                                                           301 LCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM 342
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99US-0136439.
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27-NOV-1998;
16-FEB-1999;
26-FEB-1999;
12-MAR-1999;
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28-MAY-1999;
28-MAY-1999;
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29-SEP-1999;
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                                                                                                                                                                       The present invention describes transmembrane receptors, preferably human G protein coupled receptors (GPCR), for which the endogenous ligand is unknown forphan GPCR receptors). More specifically the present invention relates to non-endogenous, constitutively activated versions of a human GPCR. These non-endogenous human GPCRs can be useful for the direct identification of candidate compounds as receptors agonists, inverse agonists or partial agonists for use as pharmaceutical agents. AAA46017 to AAA46126 and AAB02825 to AAB02859 represent sequences used in the exemplification of the present invention.
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Non-endogenous, human G protein-coupled receptors for screening receptor, inverse or partial agonists useful as therapeutic agents
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100.0%; Score 1778; DB 21; Length 342;
Best Local Similarity 100.0%; Pred. No. 5.3e-187;
Matches 342; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LCKSFRNSLISMLKCPNSATSLSQDNRKKKEQDGGDPNEETPM 342
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                                                                                                              Example 1, Page 112-113; 187pp; English.
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/label= N-glycosylation
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us-09-780-576-2.rag

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WO200157190-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Identifying an agent modulating the level or activity of G-protein coupled receptor useful for screening a cell derived from a subject having disorders such as anaemia, neutropenia and thrombocytopenia
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                                                                                                                            /label= protein_kinase_C_phosphorylation
163..165
/label= protein_kinase_C_phosphorylation
173..176
                                                                                                                                                                                                                               004..306
|label= protein_kinase_C_phosphorylation
333..338
                                                                                                                                                                                           label= protein_kinase_phosphorylation
                                                                          13..16
/label= N-glycosylation
26..302
/label= Transmembrane_domain
                                                                                                                                                                                                        303..342 _______/label= Intracellular_domain
                                                                                                                                                                                                                                                                      /label= N-myristoylation
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                                                                                                                                                                                                                                                                                                                                                                                                                  (MILL-) MILLENNIUM PHARM INC
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99US-0382918.
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N-PSDB; AAA27126.
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 Misc-difference
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25-AUG-1999;
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                                                                       EFGLUWHEIVNYICOVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKUPRKKVNVKVFI 240
                                                                                                                                                IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSINACLDPFIYFF 300
Ma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, cytokine, cell proliferation, cell differentiation, gene th vaccine, peptide therapy, stem cell growth factor, haematopoiesis, tissue growth factor; immunomodulatory, cancer; leukaemia, nervous system disorder, arthritis, inflammation.
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27-APR-2000; 2000US-0560875.
20-JUN-2000; 2000US-0596075.
19-JUL-2000; 2000US-062325.
01-SEP-2000; 2000US-0654936.
15-SEP-2000; 2000US-063561.
20-OCT-2000; 2000US-063325.
30-NOV-2000; 2000US-059325.
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N-PSDB; AAK52382.
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120

61 IFLKNTVISDLAMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTWYISISFLGLITI

1 MQAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI 61 IFLKNTVISDLIMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI

1 MOAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI

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9 9 WO200146454-A1.

28-JUN-2001

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             Note: Records for SEQ ID NO 2110 (AAK52581), 2111 (AAK52582) and 3666 (AAM80020) are omitted as the relevant pages from the sequence listing were missing at the time of publication.
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                                                                                                                Length 342;
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                                                                                                             100.0%; Score 1778; DB 22
100.0%; Pred. No. 5.3e-187
ive 0; Mismatches 0;
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/label= Transmembrane_domain_6
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/label= Transmembrane_domain_5
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label= Transmembrane domain 1
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|abel= Transmembrane domain 3
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/label= T
                                                                                                       Query Match
Best Local Similarity 100.
Matches 342; Conservative
                                                                               342 AA;
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                                                                               Sequence
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The invention relates to ADP (adenosine 5'-diphosphate) receptor, termed as P2Y12 receptor and its corresponding cDNA molecule. P2Y12 receptor is the subtype of P2-purinergic receptor. The P2Y12 receptor is expressed selectively in the platelets and brain. And couples to a pertussis toxinselective G protein (Gi). P2Y12 receptor is a G protein-coupled receptor that responds to ADP. The invention also relates to a method for identifying an agent which is useful for modulating acute myocardial infarction, unstable angina, chronic stable angina, transient ischaemic attacks, strokes, peripheral vascular disease, precelampsia, deep venous thrombosis, embolism, diseaminated intravascular coagulation, thrombotic and thrombosis, embolism, diseaminated intravascular graft surgery, carcinic complications of a bleeding disorder; thrombotic and trestencis complications of endovascular devices and prostheses. P2Y12 receptor is useful for identifying binding partners and for centent placements or insertion of endovascular devices and prostheses. P2Y12 receptor is useful for identifying binding partners and for composite and combinatorial or naturally occurring compound libraries to regulate platelet aggregation, vascular injury, or disease as well as schizophrenia, eating disorders, depression, migraine and other brain disorders. The present sequence is human P2-purinergic receptor subtype, referred as P2Y12.
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for identifying binding partners and for diagnostic applications
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100.0%; Pred. No. 5.3e-187;
ive 0; Mismatches 0;
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                                                                       2000WO-US34998.
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Best Local Similarity 100.
Matches 342; Conservative
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                                                                       26-DEC-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence represents a human ADP receptor P2TAC protein. It is used as a screening tool for screening for antiplatelet agents. The method is used for screening for antiplatelet agents, which can then be used for treating e.g. thrombotic or ischaemic diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein, its functional equivalent, or its homologous protein, as tool, for treating e.g. thrombotic or ischaemic diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          receptor P2TAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matsumoto M, Kamohara M, Saito T, Ohishi T, Soga T;
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                                241 IIAVFFICEVPEHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF
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241 IIAVPPICEVVPHRARIPYTLSOTRDVPOČTABNILRXVKESTLMLTSINACLDPPIYFF
                                                                                                                                                                                                                                                                                                                                    Human; ADP receptor; P2TAC; antiplatelet agent; thrombotic disease;
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                                                                                                                                                                                                                                                                                                  Amino acid seguence of human ADP receptor P2TAC protein.
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                                                                                        LCKSFRNSLISMLKCPNSATSLSQDNRKKKQDGGDPNEETPM 342
                                                                   LCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM 342
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                                                                                                                                                                                              ABB77868 standard; Protein; 342 AA.
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11-JAN-2001; 2001JP-0003577
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                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                           1; GPCR; G protein coupled receptor; signal transduction; olfactory; development; gustatory; taste; fragrance; receptor.
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encoded genes for studying in vivo signal
identifying targets for drug development
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                                                                                                                                             Human GPCR polypeptide SEQ ID NO 26.
                                       standard; Protein; 342 AA
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13-FEB-2001; 2001JP-0034434.
                                                                                                           (first entry)
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Best Local Similarity 100.
Matches 342; Conservative
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N-PSDB; ABZ42882.
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241 IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF 300
                                                                                                                                                                                                                                                                    Human; ADP-glucose; receptor; G protein-coupled receptor; agonist; antagonist; cardiovacular function disorder; vasorelaxation; ischaemia; angina pectoris; gastrointestinal disorder; diarrhoea; immune disorder; mumunodeficiency disorder; autoimmune disorder; rheumatoid arthritis; bacterial infection; viral infection; fungal infection; kidney disorder; asthma; kidney disorder; glomerulonephritis; hepatobiliary disorder; carrhosis; endocrine disorder; adrenal dysfunction; musculoskeletal disorder; osteoporosis; nervous system disorder; Alzheimer's disease; psychotic disorder; dareased; carretter disorder; disorder; pain; glycogen storage disease; chromosome 3; Usher's syndrome type 3.
                     241 IIAVFFICEVPEHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFTYFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Identifying an agonist, antagonist or ligand of an ADP-glucose receptor, for treating cardiovascular, gastrointestinal, kidney, endocrine, immune disorders, and bacterial, viral, protozoal or
                                                       342
                                                                                 301 LCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM 342
                                                       LCKSFRNSLISMLKCPNSATSLSODNRKKEODGGDPNEETPM
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09-FEB-2001; 2001US-0780576.
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                                                                                                                                                                                                                                             Human ADP-glucose receptor
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N-PSDB; ABK50286.
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The invention relates to identifying an ADP-glucose (ADP-G) receptor (a G protein-coupled receptor) agonist, antagonist or ligand, comprises contearing the receptor with one or more candidate compounds so that the receptor produces a G protein-coupled signal in response to ADP-G or selectively binds ADP-G, and identifying the candidate molecule that alters signal production as an agonist, antagonist or binds as a ligand. C alters signal production as an agonist, antagonist or binds as a ligand. C ameliorating a call expressing the receptor with ADP-G or the ant/agonist. Or ameliorating an ADP-G receptor associated condition, by administering a therapeutic composition comprising ADP-G or the ant/agonist or individual and a composition comprising the ADP-G receptor and ADP-G. ADP-G or the ant/agonist is useful for treating an ADP-G receptor and ADP-G. ADP-G or the ant/agonist is useful for treating an ADP-G receptor and ADP-G. ADP-G or the ant/agonist is useful for treating an ADP-G receptor associated condition e.g. cardiovascular function disorder, where the therapeutic composition induces vasoralaxation. The new methods are useful in identifying ant/agonists and ligands of the receptor. Claim 3; Fig 1; 86pp; English

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ameliotating conditions associated with the receptor such as cardiovascular disorders (e.g. ischaemia, hypertension, hypotension, andiovascular disorders (e.g. ischaemia, hypertension, hypotension, andiona pectoris, mocardiolar infarction, erroke, congestive heart failure, shock, erectile dysfunction, orthostatic intolerance and migraine), gastrointestinal disorders (e.g. diarrhoea, gastritis, thilammatory bowel disease), immune disorders (e.g. immunodeficiency disorders, autoimmune disorders, rheumatoid arthritis), infections caused by bacteria, fungi, protozoa or virus, respiratory disorders (e.g. asthma, pneumonia, bronchitis) kindatorine disorders (e.g. glomerulonephritis, renal failure, lupus), hepatobiliary disorders (e.g. jaundice, cirrhosis, hepatitis), endocrine disorders (e.g. glomerulonephritis, enal failure, lupus), misculoskeleral disorders (e.g. pruitary, thyroid or adrenal dysfunctione), misculoskeleral disorders (e.g. pruitary, thyroid or adrenal dysfunctione), misculoskeleral disorders (e.g. pruitary, thyroid, an allocate of body weight (e.g. ga a result of cancer or AIDS, acquired immunodeficiency syndrome). The gene for the ADP-G receptor is located on chromosome 3 in a region associated with usher corporation to an isolated sample or in in vivo diagnostic imaging creeptor in an isolated sample or in in vivo diagnostic imaging creeptor. The receptor in an isolated sample or in in vivo diagnostic maging contents the receptor. The present sequence represents the receptor. The present sequence represents the express the receptor. The present sequence represents the express the receptor. The present sequence represents the express the receptor. The present sequence represents the expresents the present sequence represents the expresents the receptor. The present sequence represents the expresents the receptor.
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useful therapeutically for preventing
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The present sequence is the protein sequence for human G protein-coupled receptor (GPCR) protein, IGPCR17. The coding sequence for IGPCR17 is useful in gene therapy for prevention, amelioration or treatment of diseases characterised by aberrant expression or activity of IGPCR17, where the disease is a psychiatric or central nervous system (GNS) disorder associated with signal processing in CNS such as learning and memory disorders, movement dysfunctions, tics, tremor, Tourette's syndrome, Parkinson's disease, Huntington's disease, dyskinesias, dystonia, pain and system; In addition, IGPCR17 and its coding sequence are useful in diagnosis, prevention, amelioration or treatment of diseases associated with signal processing in CNS, schizophrenia, episodic parcxysmal arxiety (EPA) disorders such as sobsessive compulsive alsorder (COD), multiple sclerosis, Alzheiner's disease/dementia, anorexia, kidney diseases such as irritable bowel syndrome (IBS), gastrointestinal disorders such as irritable bowel syndrome (IBS), chiections such as bacreaial, fungal, protozoal and viral allocations, asthma, allergy, arthritis, sepsis and gynecological
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                                                                                                                                                                                                                                                                                                                                                                                                                                        New human or mouse G protein-coupled receptor protein, IGPcR17, useful for diagnosis, prevention, amelioration or treatment of central nervous system disorders such as Tourette's syndrome, Parkinson's disease and
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multiple sclerosis; Alzheimer's disease; kidney disease; obesity; gastrointestinal disorder; osteoporosis; infection; gynecological disorder; receptor.
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                                                                                                                                                                                                                                                                                                                                      Nehls MC;
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Best Local Similarity
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                                                                                    Homo sapiens
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The present invention describes a method for identifying agonists and antagonists of mammalian G-Protein Coupled Receptor (GPCR) SP168 which may be used to treat neurodegenerative disorders. The method comprises:

(a) contacting a mammalian SP168 receptor (or a functional fragment) in the presence of a known amount of a labeled SP168 receptor ligand with a sample to be tested for the presence of the SP168 receptor agonist or antagonist; and (b) meaguring the amount of labeled SP168 ligand with specifically bound to the receptor (the SP168 receptor agonist or antagonist in the sample is identified by meaguring the difference in binding of the labeled SP168 receptor ligand to the receptor, compared to what would be measured in the absence of such agonist or antagonist.

The method is used to detect agonists and antagonists (especially antibodies) of the SP168 GPCR which may be used to treat a neurodegenerative disorder, such as Parkinson's Disease, Alzheimer's Disease, Huntington's Disease, amylotrophic lateral sclerosis (ALS) and multiple sclerosis (MS) in mammals, especially humans. The present
                                                                                                                                                                                                                                              Human, SP168 receptor, mammalian G-Protein coupled receptor, GPCR, neurodegenerative disorder, Parkinson's disease, Alzheimer's disease, Huntington's disease, amylotrophic lateral sclerosis, ALS, MS, receptor,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Receptor SP168,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Identifying modulators of mammalian G-Protein Coupled Receptor SP1 useful for treating Parkinson's Disease, Alzheimer's Disease, Huntington's Disease, amylotrophic lateral sclerosis and multiple
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                       301 LCKSFRNSLISMLKCPNSATSLSODNRKKEQDGGDPNEETPM 342
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100.0%; Score 1778; DB 23;
Best Local Similarity 100.0%; Pred. No. 5.3e-187;
Matches 342; Conservative 0; Mismatches 0;
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                                                                                                               ABB05031 standard; Protein; 342
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N-PSDB; ABA92641.
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                                                                   IPLKNTVISDLLMILTFPPKILSDAKLGTGPLRTFVCQVISVIFYFTMYISISFLGLITI
                                                                                                               DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS
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        MQAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI
                          1 MQAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI
                                                    IFLKNTVISDLLMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI
                                                                                              DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS
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diseases. This sequence represents the human platelet-activating factor receptor (PAFR-3) protein described in the invention.
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                                                                                                                                         100.0%; Score 1778; DB 23;
100.0%; Pred. No. 5.3e-187;
ive 0; Mismatches 0;
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                                                                                                                            Query Match
Best Local Similarity 100.0
Matches 342; Conservative
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N-PSDB; ABZ42580.
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uman, G-protein-coupled receptor, GPCR, 15625 receptor protein, lial cells, spleen, colon, liver, brain, T-cell, heart, ed cell, thymus, B-cell, pancreas, disorder, chromosome 3;

anaemia; neutropenia; thrombocytopenia; gene therapy; ss.

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The present invention describes antigenic peptides (I) comprising:

(a) any one of 1601 sequences (see ABP82019 to ABP83619) of 12-24 amino acid and described: (I) an assay for the detection of a particular of protein-coupled receptor (GPCR) or a candidate polypeptide in a sample; and (2) an isolated antibody having high specificity and high affinity or a varidity for a particular GPCR. (I) can be used as GPCR modulators and in gene therapy. The antigonic peptides for GPCR are useful in detecting an antibody against a particular GPCR, and in the production of specific antibodies. The peptides and antibodies are also useful for detecting the presence or absence of corresponding GPCRs. The antigonic peptides for GPCRs and antibodies are useful for diagnosing and designing drugs for treating immune-related diseases, growth-related diseases, call related diseases, or autoimmune diseases, immunological-related cell proliferative diseases, or autoimmune diseases, e.g. AIDS, Alibeimer's disease, atherosclerosis, bacterial; fungal, protezoan or viral infections, otheroscoprosis, cancer, cardiomypathy, chronic and acute inflammation, allergies, Crohn's disease, diabetes, graft versus host disease, parkinson's disease, multiple sclerosis, pain, psoriasis, archievy, depression, schizophrenia, dementia, mental recardation, memory loss, epilepsy, asthma, tuberculosis, obseity, nausea, hypertension, hypotension, renal disorders, rheumatoid arthritis, trauma, ulcers, or any other disorder in which GPCRs are involved. The antibodies may be used in immunoasasys and immunodiagnosis. ABZ4553 to AZ22869 encode GPCR proteins given in ABP81675 to ABP82018, which are used in the expection of the present invention.
New isolated antigenic peptides e.g., for G protein-coupled receptors (GPCR), useful for diagnosing and designing drugs for treating conditions in which GPCRs are involved, e.g. AIDS, Alzheimer's disease,
                                                                                                                                                     Disclosure; Fig j; 523pp; English.
                                                                                                cancer or autoimmune diseases
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Identifying an agent modulating the level or activity of G-protein coupled receptor useful for screening a cell derived from a subject having disorders such as anaemia, neutropenia and thrombocytopenia

Weich NS;

Gu ₩,

Glucksmann MA,

2000-376543/32.

N-PSDB; AAA27127

(MILL-) MILLENNIUM PHARM INC.

99US-0382918 98US-0187134

25-AUG-1999; 06-NOV-1998;

99WO-US25956.

05-NOV-1999;

18-MAY-2000.

WO200028028-A1

Macaca sp

Disclosure; Page 90-92; 97pp; English

342 AA; Sequence

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 100.0%; Score 1778; DB 24; 100.0%; Pred. No. 5.3e-187;
                                     0; Mismatches
                                   Matches 342; Conservative
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Macaque ortholog of human 15625 receptor protein.

(first entry)

21-AUG-2000

AAY94445;

BXXXXXB

AAY94445 standard; Protein; 342

RESULT 14

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The 15625 receptor protein is a novel d-coupled protein receptor (GPCR). The cDNA for this protein was isolated by screening a human cDNA library with sequences homologous to cher decay screening a human cDNA library with sequences homologous to the Grain. It is also expressed in several other tissues. The 15625 receptor protein may be useful for producing antibodies which can be used to detect the presence of the receptor protein. The 15625 receptor protein may be useful for producing antibodies which can be used to detect the presence of the receptor protein. The 15625 receptor protein polynucleotides are useful polynucleotides encoding the 15625 receptor proteins can also be inserted into vectors to be used in gene therapy. The disorder that may be treated using the 15625 receptor protein polynucleotides and polypeptides include anaemia, neutropenia and thrombocytopenia. The present sequence is the macaque ortholog of the human 15625 receptor
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Matches 335; Conservative
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Human, P2-purinergic receptor; P2Y12; cardiant; vasotropic; thrombolytic; cerebroprorective; gynaecological; ADP; adenosine 5'-diphosphate; angina; mycoardial infarction; ischaemic attack; preclampsia; bleeding disorder; carotid endarterectomy; vascular graft surgery; brain disorder; migraine; vascular injury; schizophrenia; eating disorder; depression; angioplasty; peripheral vascular disease; platelet aggregation; restenotic; embolism; thrombocytopaenic purpura; stroke; pertussis toxin-senative G protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human P2-purinergic receptor subtype, P2Y12 protein fragment
301 LCKSFRNSLISMLKCPNSATSQSQDNRKKEQDGGDPNEETPM 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        thrombocytopaenic purpura, stroke, pertussis toxin-sens
3i, disseminated intravascular coagulation, thrombosis
                                                                                                                                                                                                                                       AAE04385 standard; Protein; 315 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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g
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WO200146454-A1. Homo sapiens

99US-0171622 23-DEC-1999;

(CORT-) COR THERAPEUTICS INC.

Jantzen H, Ramakrishnan-Dubridge V, Julius DJ;

WPI; 2001-418082/44. N-PSDB; AAD08694.

Novel isolated ADP receptor, termed P2Y12 receptor polypeptide, useful for identifying binding partners and for diagnostic applications

Example 1; Page 84-85; 108pp; English.

as P2Y12 receptor and its corresponding obtained by the subtype of P2-purinesgic receptor. The P2Y12 receptor is expressed the subtype of P2-purinesgic receptor. The P2Y12 receptor is expressed to selectively in the platelets and brain, and couples to a perturbing toxinsensitive G protein (G1). P2Y12 receptor is a G protein-coupled receptor that responds to ADP. The invention also relates to a method for identifying an agent which is useful for anothed for identifying an agent which is useful for advanced in transient ischemic attacks, strokes, peripheral vascular disease, precelampsia, deep venous thrombosis embolism, disseminated intravascular coagulation, thrombotic and thrombosytopaenic purpura or a bleeding disorder, thrombotic and transients of purpura or a bleeding disorder, thrombotic and transcribing for complications of a bloading particle and prostheses.

C payliz receptor is useful for identifying binding partners and for diagnostic applications. P2Y12 receptor provides targets for screening synthetic small molecules and combinatorial or naturally occurring compound libraries to regulate platelet aggregation, vascular injury, or disease as well as schizophrenia, eating disorders, depression, migraine and other brain disorders. The present sequence is a fragment of human The invention relates to ADP (adenosine 5'-diphosphate) receptor, P2-purinergic receptor subtype, referred as P2Y12

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Gaps
                                         ö
91.9%; Score 1634; DB 22; Length 315; 100.0%; Pred. No. 3.4e-171; ive 0; Mismatches 0; Indels 0;
                                       Conservative
Query Match
Best Local Similarity
Matches 315; Conserv
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ò	1 MQAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI 60
qq	1 MOAVDNLTSAPGNTSLCTRDYKITQVLFPLYTVLFFVGLITNGLAMRIFFQIRSKSNFI 60
ò	61 IFLKNTVISDLLMILTPPKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI 120
đ	61 IFLKNIVISDLIMILTFPFKILSDAKLGTGFLRTFVCQVTSVIFYFTMYISISFLGLITI 120
ò	121 DRYOKTTRPFKTSNPKNLLGAKILSVVIWAFWFLLSLPNMILTNROPRDKNVKKCSFLKS 180
đ	121 DRYOKTTRPFKTSNPKNLLGAKILSVVIWARMFLLSLPNMILTNROPRDKNVKKCSFLKS 180
ò	181 BFGLWHEIVNYICQVIFWINFLIVIVCYTLITXELYRSYVRTRGVGKVPRKKVNVKVFI 240
qq	181 BFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRIRGVGKVPRKKVNVKVFI 240
ò	241 IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLMLTSLNACLDPFIYFF 300
QQ	241 IIAVFFICEVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF 300
ò	301 LCKSFRNSLISMLKC 315
qq	301 LCKSFRNSLISMLKC 315
Search co Job time	Search completed: February 4, 2004, 14:29:03 Job time : 44 secs

score:

Title: Perfect

Sequence:

OM protein

Run on:

Scoring table:

Searched:

Database

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Q8by85 mus musculu Q8by95 mus musculu Q8orif3 mus musculu Q8brn1 mus musculu Q9by161 homo sapien Q9by16 mus musculu Q9ty61 bos taurus Q9ty76 canis famil Q9ty6 canis famil Q9tx64 sus scrofa
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Q9gln9 pan troglod
Q8F311 mus musculu
Q8tbk4 homo sapien
Q8bkk1 mus musculu
Q8bfq3 mus musculu
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O8cgm4 cavia porce
O8bjb7 mus musculu
O8hin5 macaca mula
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O57466 meleagris g
Q8bmc0 mus musculu
O9pvy7 anguilla an
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Ogr528 mus musculu
Ogn587 homo sapien
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TISSUEs-Medulla oblongata;
SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SECUENCE SE
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01-WAR-2003 (TrEMBLrel. 23, Last sequence update)
01-WAR-2003 (TrEMBLrel. 23, Last sequence update)
10-WAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein:
Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Cercopithecidae;
Cercopithecinae; Macaca.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97.9%; Score 1741; DB 6; Length 342; 97.7%; Pred. No. 3.4e-140;
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Hashimoto K., Osada N., Hida M., Kusuda J., Sugano S.,
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ/databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gene 275:31-37(2001).
EMBL, AB097554, BAC4179.1..
Hypothetical protein.
SEQUENCE 342 AA; 39479 WW, 0869FDD0144A56FC CRC64,
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   QBBY85
QBEGES
QBEGES
QBEGES
QBBYII
QQBYGI
QQTYS
QQGY76
QQC017Y
QC017Y
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Q9GLN9
Q8R3I1
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OBBKK1
OBBFQ3
O95M54
OBBLG2
OBCGM4
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Matches 334; Conservative
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327.56
322
321
318.5
316.5
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Q8tiut5 homo sapien
Q8tdu7 homo sapien
Q9d812 mus musculu
Q8c412 mus musculu
Q8c12 mus musculu
Q8iyr homo sapien
Q95jz homo sapien
Q96yz homo sapien
Q964y7 mus musculu
Q8c4y7 mus musculu
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O9bxc2 homo sapien
O8iv06 homo sapien
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1778
1 MQAVDNLISAPGNTSLCTRD.....SQDNRKKEQDGGDPNEETPM 342
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                                   GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                        protein search, using sw model
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Q9BEV8
Q9BIUT5
Q8IUT5
Q8IUT5
Q8C412
Q8C412
Q8CA12
Q9C7Z8
Q9C7Z8
Q96TY7
Q96TY7
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Gapop 10.0 , Gapext 0.5
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sp_bacteria:*
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RESULT 3
Q9BPV8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          311
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SPRANTE-STBL/601 TISSUE=Colon,
MEDLINE=2254683; PubMed=12466851;
The FANTOM Consortium,
The FANTOM Consortium,
The RIKEN Genome Exploration Research Group Phase I & II Team,
"Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
Nature 420:563-5773(2002).
BMBL; AK0334448; BAC28294.1; -.
SEQUENCE 347 AA; 39430 MM; FI14688377FE25FI CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12 NTTFSPGTSTLCVRDYKITQVLFPLLYTVLFFAGLITNSLAMRIFFQIRSKSNFIIFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             192 WHEIVNYICQVIEWINFLIVIVCYSLITKELYLSYVRTRGSAKVPKKKVNVKVFIIIAVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        252 FICEVPFHPARIPYTLSQTRAVFDCSAENTLFYVKESTLMLTSLNACLDPFIYFFLCKSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLKN
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I FLKNTVI SDLLMILTFPFKILSDAKLGTGPLRTFVCQVTSVI FYFTMYISISFLGLITI
                           1FLKNTVISDLLMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI
                                                                                                                   EFGLVWHEIVNYICQVISWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKNNVKVFI
                                                                                                                                                                                                                                                                       IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF
                                                                                                                                                                                                                                                                                                               IIAVFFICEVPFHFARIPYTLSQTRDVFDCAAENTLFYVKESTLWLTSLNACLDPFIYFF
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                                                                                      DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS
                                                                                                                                                                                   EFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
P2Y12 platelet ADP receptor homolog.
Mus musculus (Mouse).
Eukarayota Metazoa (Craniata; Vertebrata; Euteleostomi; Maralyota; Metara; Rodentia; Sciurognathi; Muridae; Musinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     87.1%; Score 1548.5; DB 11; Length 347;
88.4%; Pred. No. 7.9e-124;
ive 16; Mismatches 22; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                        LCKSFRNSLISMLKCPNSATSQSQDNRKKEQDGGDPNEETPM 342
                                                                                                                                                                                                                                                                                                                                                                LCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM 342
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Matches 298; Conservative
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137 NILGAKILSVVIWAFMPILSLPNMILTNROPRDKNVKKCSFIKSBEGLVWHBIVNYICQV 196
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 75 LPRKILSDSHLAPWQLRAFVCRFSSVIFYETWYVGIVLLGLIAFDRFLKIIRPLRNIFLK 134
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               46.6%; Score 829; DB 4; Length 333;
49.1%; Pred No. 1.1e-62;
1ve 57; Mismatches 102; Indels 2; Gaps
                                                                                     01-UN-2001 (TrEMBLrel. 17, Created)
01-UN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
11-MAR-2003 (TrEMBLrel. 23, Last annotation update)
12, Determine the completed receptor FKSG77 (G-protein coupled receptor GPR86) (G protein-coupled receptor)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE-21172992; PubMed=11273702; Wittenberger T., Schaller H.C., Hellebrand S.; Wittenberger T., Schaller H.C., Hellebrand S.; Mar expressed sequence tag (est) data mining strategy succeeding in the approvery of new g-protein coupled receptors"; J. Mol. Biol. 307:799-813(2001).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Fully Solve 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mang Y., Gong L.; "Molecular cloning of FKSG77, a novel gene encoding a putative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . 333 AA, 38440 WW; F234ABB50016DF34 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein-coupled receptor.";
Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases
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PRINTS, PR00237, GPCRRHODOPSN.

PROSITE, PS00237, G PROTEIN RECEP F1 1, 1.

PROSITE, PS50262, G-PROTEIN RECEP F1 2, 1.
333 AA
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InterPro; IPR000276; GPCR_Rhodpsn.
Pfam: PF00001: 7tm 1; 1.
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Best Local Similarity 49.19
Matches 155; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                     FKSG77 OR GPR86 OR GPR94.
     PRELIMINARY;
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SEQUENCE
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01-JUN-2001 (TrEMBLrel. 17,
01-MAR-2003 (TrEMBLrel. 23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 48.7%
Matches 154; Conservative
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GPR86 OR 2010001L06RIK.
Mus musculus (Mouse).
                               sapiens (Human)
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                                                                                                                                   NCBI_TaxID=9606;
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Q9D812;
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SOOCC SOOR READ BRIEF STAN SOOCC SOO
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                                                                          IPYTLSOTRDVPDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLISMLKCP
                                                                                                                                                                                                      SSS VPYTHSQTNNKTDCRLQNQLFIAKETTLFLAATNICMDPLIYIFLCKKFTEKLPCMQ--G
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                                   IFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFHFAR
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QBIUTS;
01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
11-MAR-2003 (TrEMBLrel. 23, Last annotation update)
14-ypothetical protein (Fragment)
15-Marmalia protein (Fragment)
16-Marmalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUE=Brain;
Strausberg R.;
Strausberg R.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC041116; AAH41116.1; -.
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               352 AA; 40586 MW; BCABBELE4045872B CRC64;
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Last sequence update)
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O1-UN-2002 (TrEMBLrel. 21, Created)
O1-UN-2002 (TrEMBLrel. 21, Last sec
O1-MAR-2003 (TrEMBLrel. 23, Last snr
Putative G-protein coupled receptor.
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Q8TDU7
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Q8IUTS
ID Q8IU
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN-CS7BL/6J; TISSUE-Small intestine;
MEDLINE-21085660; PubMed=11217851;
Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,
Aizawa K., Izawa M., Nishi X., Kiyosawa H., Kondo S., Yamanaka I.,
Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
Rielschmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,
Kuchi P., Lewis S., Maresuo Y., Nikaido I., Pesole G., Quackenbush J.,
Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
Eukaryoča, Merazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia; Eutheria; Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                      the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           46.3%; Score 823; DB 4; Length 333; 48.7%; Pred. No. 3.6e-62; ive 57; Mismatches 103; Indels
                                                                                                      Receptor.
SEQUENCE 333 AA; 38409 MW; 3F88E7EAC8F5428F CRC64;
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Last annotation update)
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Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.E.,
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Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
Sacaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
Wynski H., Toyo-oka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
Wynshaw Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 NLTSAPG--NTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFL
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01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
G protein-coupled receptor 68 homolog.
Duks musculus (Mouse).
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia, Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Musi.
                                                                                                                                                                                                                                                                                                                Hayashizaki Y.;
"Puncional annotation of a full-length mouse cDNA collection.";
Nature 409:685-690(2001)

EMBL; AKO08013; BAB25409.1;
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Print, Proposity (Frenchorden, Print); PROSITE; PRO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   MGD; MGI:1921441; Gpr86.
InterPro; IPR000276; GPCR_Rhodpsn.
InterPro; IPR005466; UDPG_receptor
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Q8C412;
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"Analysis of the mouse transcriptome based on functional annotation of 0,770 full-length cDNAs.";
Nature 420:533-573 (2002)
"Embi, AK038560; BAC30043.1;
SEQUENCE 337 AA; 38755 MW; 7089AA7B8B089B0A CRC64;
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                                                                                                                                   Length 337;
                                                                                                                                                                                                                                Indels
                                                                                                           44.5%; Score ... 1.6e-5.,
45.9%; Pred. No. 1.6e-5.,
...a 62; Mismatches 112;
EMBL; AK083264; BAC38835.1; -. SEQUENCE 337 AA; 38727 MW; 2C1A7B969D5CBD48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               337 A.A
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STRAIN-CSTAIL/64; TISSUB=Hypothalamus;
MEDLINE-22354683; PubMed=12466851;
The FANTOM Consortium,
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PRT; 358 AA.
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Matches 140; Conservative
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   NCBI_TaxID=9606;
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                                                          244 VFFVCFAPLHFVRIPYITYSQTINKIDCRLENQLFIAKEAILFLATINICMDPLIYIILCK 303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      66 TVISDLIMILTEPEKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQK 125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 NLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFIIFLKN 65
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein FLJ14878.
Hypothetical protein FLJ14878.
Eukaryota; Metazoa; Chordaca; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                             ©BIYT7;

OLI-MAR-2003 (TrEMBLrel. 23, Created)

OL-MAR-2003 (TrEMBLrel. 23, Last sequence update)

OL-MAR-2003 (TrEMBLrel. 23, Last annotation update)

G protein-coupled receptor 105.

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutberia; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 47.5%; Pred. No. 8e-58;
Matches 149; Conservative 60; Mismatches 105; Indels
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Strausberg R.;
Submitted (UUL-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC034989; AAH34989.1; -.
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                                                                                                304 SFRNSLISMLKCPNSATSLSODNRKKEOD 332
                                                                                                                             304 KFTQKVPCVRWGKARTAGSSEDHHSSQTD 332
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82 NIVVADLIMILIPPPRIVHDAGRGPWYFKFILCRYTSVLFYANMYTSIVFLGLISIDRYL 141
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LEGUENCE FROM N.A.

TISSUE-Placenta;

A ISOGAI T., Ota T., Hayashi K., Sugiyama T., Otsuki T., Suzuki Y.,

ISSUE-Placenta;

ISSUE-Placenta;

Isogai T., Ota T., Hayashi K., Sugiyama T., Otsuki T., Suzuki Y.,

Isogai T., Ota T., Hayashi K., Sugiyama T., Otsuki T., Suzuki Y.,

A Mishikawa T., Ota Y., Ishida S., Mizakawa K., Ono Y., Takiguchi S.,

A Matanabe S., Kimura K., Miskami K., Ishii S., Kawai Y., Saito K.,

A Matanabe S., Kimura K., Miskami K., Ishii S., Kawai Y., Saito K.,

A Minomiya K., Iwayangi T.;

NIDOD human CDNA sequencing project.";

NEDO human CDNA sequencing project.";

Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.

I. SUBLIARITY: BELONGS TO FAMILY I OF G-PROTEIN COUPLED RECEPTORS.

EMBL; AK027784; BAB55366.1; -

I. SIMILARITY: BELONGS TO FAMILY I OF G-PROTEIN COUPLED RECEPTORS.

EMBL; AK027784; BAB55366.1; -

I. SIMILARITY: SELONGS TO FAMILY I OF G-PROTEIN COUPLED RECEPTORS.

EMBL; AK027784; BAB55366.1; -

IN PROSITE; PS00237; GPRATEIN RECEP FI 1; 1.

PROSITE; PS00237; GPRATEIN RECEP FI 2; 1.

RW PROSITE; PS00237; GPRATEIN RECEP FI 2; 1.

KW Hypotherical protein; G-protein coupled receptor; Receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25 NRSDGPGKNTTL---HNEFDTIVLPVLYLIIFVASILLNGLAVWIFFHIRNKTSFIFYLK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QBBY21;
01-UNY-2001 (TrEMBLrel. 17, Created)
01-UNY-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Orphan G protein-coupled receptor 87.
GPR87 OR GR95.
Home sapiens (Human)
Eukaryota, Metazca; Chordata, Craniata, Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39.3%; Score 699.5; DB 4; Length 358; 42.6%; Pred. No. 1.2e-51; Live 67; Mismatches 113; Indels 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Transmembrane.
SEQUENCE 358 AA; 41462 MW; 7822700C8E3CC7E9 CRC64;
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87

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109

99

Gaps

22;

Length 358;

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127 TSIVFLGLISVDRYLKVVKPPGDSRMYSITFTKVLSVCWWVIMAILSLPNIILTWGQPTK 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            170 KNVKKCSFLKSEFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKV 229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        230 PRK-KVNVKVFIIIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTS 288
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                                                                                                                                                                                                                                                                                                                                                                                               110 ISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRD 169
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                                                                                                                                                                      7 LTSAPGN-----TSLCTRD-----YKITQVLFPLLYTVLFFVGLITNGLAMRI
                                                                                                                                                                                                       50 PROIRSKSNFIIFLKWIVISDLLMILIPPFKILSDAKLGTGPLRIFVCOVTSVIFYFIWY
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1. SIBGELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN (BY SIMILARITY).
1. SIBGELLULARY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
BMB1, AF295366; AAKO1866.1; -...
Interpro; IPR002776; GPCR.Rhodpsn.
PRONITS; PR000277; GPCR.Rhodpsn.
PROSITE; PS000237; GPROTEIN RECEP F1 1; 1.
PROSITE; PS000237; GPROTEIN RECEP F1 2; 1.
PROSITE; PS000237; GPROTEIN RECEP F1 2; 1.
SEQUENCE 359 AA; 41462 MW; ZEB3133273EFCDEA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=21172992; PubMed=11273702; Wittenberger T., Schaller H.C., Hellebrand S.; Wittenberger T., Schaller H.C., Hellebrand S.; An expressed sequence tag (set) data mining strategy succeeding in the discovery of new g-protein coupled receptors."; J. Mol. Biol. 307:799-813(2001).
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

38.6%; Score 685.5; DB 11; Length 359;
Best Local Similarity 41.7%; Pred. No. 1.9e-50;
Matches 136; Conservative 65; Mismatches 120; Indels 5;
                                                      38.6%; Score 687; DB 11; Length 35 41.0%; Pred. No. 1.4e-50; ive 63; Mismatches 118; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        289 INACLDPFIYFFLCKSFRNSLI -- SMLKCPNSATSLSQDNRKKE 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CNVCLDPIIYPFMCKSFSRRLFKKSNIRTRSESIRSLQSVRRSE 348
   358 AA; 41414 MW; 6D258E98CB3BE4B9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     099MT7;
01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
                                                      Query Match
Best Local Similarity 41.09
Matches 141; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
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   SQ SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            142 KVVKPFGDSRMYSITFTKVLSVCVWVIMAVLSLPNIILTNGQPTEDNIHDCSKLKSPLGV 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    243
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 244 VFFICEVPEHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCK 303
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STRAIN=C57BL/6J; TISSUE=Thymus;
STRAIN=22354683; PubMed=12466851;
The FANTOM CONSORTIUM:
the RIKEN Genome Exploration Research Group Phase I & II Team;
the RIKEN Genome Exploration Research Group Phase I will Team;
"Analysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.";
Nature 420:563-573 (2002).
EMBL; AK080394; BAC37905.1; -.
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-1. SUBCELIULAR LOCATION: INTEGRAL MEMBRANE PROTEIN (BY SIMILARITY).

-1. SUBCELIULAR LOCATION: INTEGRAL MEMBRANE PROTEIN COUPLED RECEPTORS.

EMBL, AR21763, AAX01858.1; -

EMBL, AF411114; AAX01858.1; -

InterPro; IPR000276; GPCR_Rhodpsn.

PRINTS; PR00021; Tmm_1, 1.

PRINTS; PR00237; GPRRHODPSN.

PROSITE; PS01227; GPROTEIN RECEP_F1_2; 1.

                                                                                                           MEDLINE=21458557; PubMed=11574155; Lee D.K., Nguyen T., Lynch K.R., Cheng R., Vanti W.B., Arkhitko O., Lewis T., Evans J.F., George S.R., O'Dowd B.F.; Lewis T., Evans J.F., George S.R., O'Dowd B.F.; Lewis T. Stand mapping of ten novel G protein-coupled receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR.2003 (TrEMBLrel. 23, Created)
01-MAR.2003 (TrEMBLrel. 23, Last sequence update)
01-MAR.2003 (TrEMBLrel. 23, Last annotation update)
01-MAR.2003 (TrEMBLrel. 23, Last annotation update)
0 protein-coupled receptor 87.

Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Musinae, Musina
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the discovery of new g-protein coupled receptors."; J. Mol. Biol. 307:799-813(2001).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    320 SFSRRLFKKSNIRTRSESIRSLÖSVRRSE 348
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                                                                                                                                                                                                                                                          Gene 275:83-91(2001)
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Q8C4Y7;
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Q8C4Y7

67

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ISSUE-Heart
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VADLIMILIFPFRIVRDAGFGPWYFEFILCRYTSVLFYANMYTSIVFLGLISVDRYLKVV 145
                            187
                                                        205
                                                                                 246
                                                                                                           263
                                                                                                                                   247 ICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFR 306
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          228 KVPRKKVNVKVFIIIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLT 287
                                                                                                                                                      264 TCFLPYHLCRIPFTFSNLDRLLDBSAHKILYYCKEMTLFLSACNVCLDPIIYFFMCKSFS 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      168 RDKNVKKCSFLKSEFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVG 2277
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
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Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirai M., Terac K.,
Suzuki Y., Sugano S., Hashimoto K.;
"Isolation of full-length cDNA clones from macaque brain cDNA
                                           108 MYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RPFKTSNPKNLLGAKILSVVIWAFWFLLSLPNMILTNROPRDKNVKKCSFLKSEFGLVWH
                                                                               188 EIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRK-KVNVKVFIIIAVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Gaps
                                                                                                                                                                                                                                                                                                             01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein.
Hypothetical primates; Caniata, Verrebrata; Eureleostomi;
Mammalia; Butheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 228;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SINACLDPFIYFFLCKSFRNSLISMLKCPNSATSLSQDNRKKEQD 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.4%; Score 559; DB 6; Length 22:
46.7%; Pred. No. 7.1e-40;
ive 40; Mismatches 78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PEAM; PF00001; 7tm_1, 1.

PRINTS; PR00237; GPCRHODOPSN.

PROSITE; PS00337; GPROTEIN RECEP_I1; 1.

PROSITE; PS50262; G_PROTEIN_RECEP_I2; 1.

SEQUENCE 228 AA; 26356 MW; 47907F5DBEEDD22C CRC64;
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                                                                                                                                                                                         307 NSLI -- SMLKCPNSATSLSQDNRKKE 330
                                                                                                                                                                                                         324 RRLFKKSNIRTRSESIRSLÖSVRRSE 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AB056816; BAB39342.1;
InterPro; IPR000276; GPCR_Rhodpsn.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 46.78 Matches 105; Conservative
                                                                                                                                                                                                                                                                                      PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                          Cercopithecinae; Macaca
NCBI_TaxID=9541;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
 96
                           128
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Q9BXC2
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Q9BE53
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269 AA

PRT;

PRELIMINARY;

Q9BXC2

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61 SRMYSITFIKVLSVCVWVINAVLSLPNIILINGQPTEDNIHDCSKLKSPLGVKMHTAVTY 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 VNSCLFYAVLVILIGCYIAISRYIHKS.-SRQFISQSSRKRKHNQSIRVVVAVFFTCFLP 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             252 FHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPRIYFFLCKSFRNSLI- 310
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                                                        receptor
                                                                                                                                                                                                                                                                                                    Wang Y.-g, Gong L.; "Identification of FKSG78, a novel gene encoding a putative G-protein-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 MILIFPERIVHDAGEGEWYEKFILCRYISVLFYANMYISIVFLGLISIDRYLKVVKPFGD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia; Butheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95; Indels 5;
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Putative G-protein-coupled receptor FKSG78 (G protein-coupled
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31.1%; Score 553.5; DB 4; Length 269; 42.5%; Pred. No. 2.4e-39; Indels 5; ive 50; Mismatches 95; Indels 5.
                                                                                                                                                                                                                                                                                                                                                                               Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         completed: February 4, 2004, 14:30:26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 42.5%;
Matches 111; Conservative
                                                                                                                           Homo sapiens (Human)
                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                      coupled receptor
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GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

February 4, 2004, 14:27:22 ; Search time 20 Seconds (without alignments) 1644.484 Million cell updates/sec Run on:

US-09-780-576-2 1778 1 MQAVDNLTSAPGNTSLCTRD......SQDNRKKEQDGGDPNEETPM 342 Title: Perfect score: Sequence:

Scoring table:

BLOSUM62 Gapop 10.0 , Gapext 0.5

283308 Total number of hits satisfying chosen parameters:

283308 segs, 96168682 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

PIR 76:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

STIMMARTES

vā	Description	platelet-activatin		protei		platelet-activatin	G protein-coupled	angiotensin II rec	intron 17 purinerg	Н	H	ä	angiotensin II rec	ΙΙ	heptahelical P2YS-	angiotensin II rec	angiotensin II rec	angiotensin II rec	angiotensin II rec	G protein-coupled	mu opioid receptor	mu opioid receptor	angiotensin II rec	angiotensin recept	11	opioid receptor mu	mu opiate receptor	sinas	toid recep	opi
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A,Molecule type: DNA
A,Residues: 1.226, TG',229-342 <SEY>
A,Cross-references: GB:M88177; NID:g190697; PIDN:AAA60214.1; PID:g190698
A,Note: sequence extracted from NCBI backbone (NCBIN:109813, NCBIP:109814)
R;Chase, P.B.; Halomen, M.; Regan, J.W.
Am. J. Respir. Cell Mol. Biol. 8, 240-244, 1993

G protein-coupled	kappa opioid recep	angiotensin II rec	interleukin-8 rece	kappa opioid recep	thrombin receptor	kappa opioid recep	kappa opioid recep	G protein-coupled	ATP receptor P2u -	neuropeptide Y/pep	G protein-coupled	fusin (LESTRA) - c	chemokine (C-C) re	interleukin-8 rece	neuropeptide Y/pep
868679	A48227	I51372	A53611	A55259	I51667	S36143	JC2338	833733	A47556	A45747	I38974	G00048	A43113	JQ1231	S28787
7	~	N	(7	N	~	N	N	7	~	C4	N	C)	N	N	7
365	380	359	360	380	420	380	380	362	373	352	333	352	352	355	353
16.8	16.8	16.7	16.7	16.7	16.7	16.6	16.6	16.5	16.4	16.3	16.0	15.9	15.9	15.9	15.8
298.5	298	297.5	297.5	297	296.5	296	295	292.5	291.5	290.5	284.5	282.5	282	282	281.5
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

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A::Ilcle: The number biglester-activating about the part game (fight), commented the property	platelet activating factor receptor - human Ciperin Homospapens (man) Ciperies 28-Aug 1992 #sequence revision 28-Aug 1992 #sext change 20-Jun-2000 CiAccession: A40121, Hedv3p, A41079; Jul 1952 #425 #425 #425 #425 #425 #425 #425 #4	Ad0191 1 Ad0191 1 Ad0191 1 Date=let -ctivating factor receptor - human C)Bate=let -ctivating factor receptor - blands C)Accession: Ad0191, JH4079; Ad1079; JC1359; A42831; I51923 KKMAR_D.) Gerard, C J. Biol. Chem. 267, 9101-9106, 1999 A)Accession: Ad0191; MMID:9255056; PMID:1374385 A)Accession: Ad0191; MMID:9255056; PMID:1374385 A)Accession: Ad0191; MMID:9255056; PMID:1374385 A)Accession: Ad0191; MMID:9255056; PMID:1374385 A)Accession: Ad0191; MMID:9255059; PMID:1374385 A)Accession: Ad0191; MMID:92028922; PMID:1365693 A)Accession: JR0479 A)
A:Title: The human platelet-activating factor receptor gene (PTAFR) contains no introns	platelet activating factor receptor - human Cybedies: How spinal factor receptor - human Cybedies: How spinals (man) Cybedies: How spinals (man) Cybedies: How spinals (man) Cybedies: How spinals (man) Cybedies: 28-Aug-1932 #sequence_revision 28-Aug-1992 #teat change 20-Jun-2000 CyAccession: A40191, JHG497, A41079; JG1389; A42831; ISI523 CyAccession: A40191, JHG497, A41079; JG1389; A42831; ISI523 AyAccession: A40191, JHG497, A41079; JG1389; A42831; ISI523 AyAccession: A40191; MUID:92250505; PMID:1374385 AyAccession: A40191; MUID:92250505; PMID:1374385 AyAccession: A40191; MUID:92250505; PMID:1374385 AyAccession: A40191; MUID:92250505; PMID:13885 AyAccession: JG49 AyAccession: JG49 AyAccession: JG49 AyAccession: JG49 AyAccession: JG4079 A	Ad0191 1 Ad1019 1 Ad1
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Kiseyfried, C.E.; Schwelckart, V.L.; Godiska, K.; Giay, F.W., Genomics 13, 83-2834, 1992. A.fitle: The human platelet-activating factor receptor gene (PTAFR) contains no introns	Advoist- platelet-cutivating factor receptor - human C'Secies: Humos appliens (man) A'Rinz, D': Gerard, N. N. P.; Gerard, C. A'Ritle: The human leukocyte platelet-activating factor receptor. CDNA cloning, cell su A'Reference number: Ad0191, MUID:92250505; PNID:1374385 A'Rocession: A40191, MUID:92250505; PNID:1374385 A'Rocession: A40191, MUID:92250505; PNID:1374385 A'Rocession: A40191, MUID:92250505; PNID:1374385 A'Rocession: Humor: A01919 A'Roleoule type: mRNA A'Residues: 1-342 * KIRN A'Residues: Humber: Humora D'Rocession: DRA ARCOSSION: AD0191, DRA ARCOSSION: AD0191, DRA ARCOSSION: AD0191, MUID:92028922; PNID:1656963 A'Rocession: Humber: BM MO19192028922; PNID:1656963 A'Rocession: Humor: BM MO19192028922; PNID:1656963 A'Rocession: Humor: A01090202; BM MO19202, BM MO19202, BM MO19203, BM MO19	Ad0191 Diacelet-activating factor receptor - human Cispecies: Homo sapiens (man) Cispecies: Manual classes (manual classes) Airtie: Manual classes (manual classes) Airtie: Human leukocyre platelet-activating factor receptor. cDNA cloning, cell su Airtie: Classes (manual classes) Airtie: Classes (manual cource) Biochem Esophye (manual cource) Airtie: Manual cource (manual cource) Airtie: Manua
R,Seyfried, C.E.; Schweickart, V.I.; Godiska, R.; Gray, P.W. Genomics 13, 83-284, 1992 A.Title: The human platelet-activating factor receptor gene (PTAFR) contains no introns	Advoing- platelet-ctitvating factor receptor - human Cygecies: Homo sapiens (man) Cygecies: Advoi-1924 #sequence_revision 28-Aug-1992 #text_change 20-Jun-2000 Cydes: 28-Aug-1924 #sequence_revision 28-Aug-1992 #text_change 20-Jun-2000 Cydeseion: Advoi-1914 #sequence_revision Cygecies AyTitle: The human leukocyte platelet-activating factor receptor. CDNA cloning, cell su AyReference number: Advoi-1916 #sequence_revision Cygecies AyTitle: The human leukocyte platelet-activating factor receptor conditions AyReference number: Advoi-1916 #sequence_revision CDNA that encodes a functional receptor for platel AyReference number: JH0479; MUID:9202992; PMID:165693 AyMolecule type: maxNA AyReference number: JH0479; MUID:9202992; PMID:165693 AyMolecule type: maxNA AyReference number: JH0479; MUID:9204189537; PIDN:AAA60001.1; PID:g189538 AyReference number: JH0479; MUID:92041873; PIDN:AAA60001.1; PID:g189538 AyReference number: JH0479; MUID:92041873; PMID:1657923 AyMolecule type: maxNA AyReference number: JH079; MUID:92041873; PMID:1657923 AyMolecule type: maxNA AyReference number: Advoi-2 Adv	Ad0191 Disclete-activating factor receptor - human Cispecies: Homo sapiens (man) Cispecies: Homo
A,Note: the authors translated the codon AAT for residue 316 as Lys R,Seyfitled, C.E.; Schweickart, V.L.; Godiska, R.; Gray, P.W. Genomics 13, 832-834, 1992 A.Title: The human platelet activating factor receptor gene (PTAFR) contains no introns	A40191 A40191 A50191 Ad0191 Distelet-activating factor receptor - human Cispecies: Homo sapiens (man) Cispecies: Homo	
Alsoperimental Bource: inearc AlNote: the authors translated the codon AAT for residue 316 as Lys Riseyfried, C.E.; Schweickart, V.L.; Godiska, R.; Gray, P.W. Genomics 13, 832-834, 1992 A:Title: The human platelet-activating factor receptor gene (PTAFR) contains no introns	platelet-activating factor receptor - human (Species: Homo sapiens (man) (Species: Homo sapiens) (Species: Homo sapiens (man) (Species: Homo sapiens) (Homo sapiens	A40191 Diacelet-activating factor receptor - human Cispecies: Homo sapiens (man) Biol. (fam. 26') Aither 26', 310-306, 1922 Aither 26', 310-306, 1922 Aither 26', 310-306, 1922 Aither 26', 310-306, 1922 Airher 26', 310-306, 310-306, 1922 Airher 26', 310-306, 1922 Airher 26', 310-306, 310-306, 1922 Airher 26', 310-306, 1922 Airher 36', 310-306, 31006, 1922 Airher 36', 310-306, 31006, 1922 Airher 36', 310-306, 31006, 31006, 31006 Airher 36', 310-306
A; Experimental source: heart A; Note: the authors translated the codon AAT for residue 316 as Lys R; Seyfried, C.E.; Schweickart, V.L.; Godiska, R.; Gray, P.W. Genomics 13, 832-834, 1992 A; Title: The human platelet-activating factor receptor gene (PTAFR) contains no introns	platelet-activating factor receptor - human classics and sequence receptor - human classics. Homo sapiens (man) (man) Copecies: Homo sapiens (man) Copecies: Add1013; Add1079; Add1079	Particle The Annual Eactor receptor - human Cybecies: Homo sapiens (man) Cybecesion: Ad013; JH0479; Ad1079; JC1359; A42831; IS1353 Cybecession: Ad0121; JH0479; Ad1079; JC1359; A42831; IS1353 BKMLL, D. Gerard, N. P.; Gera
A; Residues: 1-315,'N',317-342 <sug> A; Residues: 1-315,'N',317-342 <sug> A; Rxporimental source: heart A; Note: the authors translated the codon AAT for residue 316 as Lys R; Seyfried, C.E.; Schweickart, V.L.; Godiska, R.; Gray, P.W. A; Seyfried, G.B.; Schweickart, V.L.; Godiska, R.; Gray, P.W. A; Title: The human platelet-activating factor receptor gene (PTAFR) contains no introns A; Title: The human platelet-activating factor receptor gene</sug></sug>	platelet-activating factor receptor - human (Species: Homo sapiens (Man)	Parelle and the state of the st
A; Molecule type: mRNA A; Residues: 1-315, 'N', 317-342 <sug> A; Residues: 1-315, 'N', 317-342 <sug> A; Experimental source: heart A; Note: the authors translated the codon AAT for residue 316 as Lys R; Seyfried, C.E.; Schweickart, V.L.; Godiska, R.; Gray, P.W. Genomics 13, 832-834, 1992 A; Title: The human platelet-activating factor receptor gene (PTAFR) contains no introns</sug></sug>	plateler-activating factor receptor - human classes Homo sapiens (man) Conservation factor receptor - human classes Homo sapiens (man) Conservation 28-Aug-1992 #sextenderCerevision 28-Aug-1992 #sextenderCerevision 28-Aug-1993 #sextenderCerevision 28-Aug-1992 #sextenderCerevision 28-Aug-1992 #sextenderCerevision 28-Aug-1992 #sextenderCerevision 26/3 #d1079; Ag1079;	platelet-activating factor receptor - human classes and the second and compared to the second compared compared to the second compared to
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C;Species: Homo sapiens (man)
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A;Reference number: A45680; MUID:93188173; PMID:8383238
A;Reference number: B45680
A;Status: preliminary
A;Molecule type: nucleic acid
A;Reference: B1581 ABIR-
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A;Experimental source: B-lymphocytes
A;Note: sequence extracted from NCBI backbone (NCBIN:127096, NCBIP:127097)
C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               236 SGVNK---KALNT-IILIIVVEVI.CFTPYHVAIIQHMIKKCLRFSNFIEGSQRHSFQISLH 291
                                                                                                                                                                                     TRKRGIALSLVIWVAIVAAASYFLVMDSTNVVSNKAGSGNITRC-FEHYEKGSKPVLIH 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EIVNYICQVI-FWINPLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFF 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ----ICIVLGFFIVFLLILFCNLVIHTLLRQPVKQQRNAEV-RRRALWWVCTVLAVFV 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       247 ICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFR 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTWYISISFLGLITIDRYQKTTRPFKTSNPK 136
                                                                                                                                                                                                                                                                                                 137 NLLGAKILSVVIW-----AFMFLLSLPNMILTNRQPRDKNVKKCSFLKSEFG----LVWH 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 IQMANNFTPPSATPQGNDCDLYAHHSTARIVMPLHYSLVFIIGLVGNLLALVVIVQNRKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             57 SN-FIIFLKNTVISDLLMILTFPFKIL----SDAKLGTGPLRTFVCQVTSVIFYFTMYI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                111 SISFLGLITIDRYQXTTRPFKTSNPKNLLGAKILSVVIWAFWFLLSLPNMI--LTNRQPR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   169 DKNVKKCSFLKSEFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRS----YVRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RGVGKVPRKKVNVKVFIIIAVFFICFVPFHFARIPYTLSQTR--DVFDCTAENTLFYVKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         282 STIWLTSLNACLDPFIYFFLCKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MQAVDNLT----SAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSK
21.3%; Score 379.5; DB 2; Length 3 26.0%; Pred. No. 2.9e-25; tive 84; Mismatches 152; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               307 NSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     302 KHLSEKLNIMRSSOKCŚRVTTDTGTEMAIPINHTPV 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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les 94; Conserva
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CiSpecies: Cavia porcellus (guinea pig)
CiSpecies: Cavia porcellus (guinea pig)
CiAccession: S13638
RiHonda, Z.; Nakamura, M.; Miki, I.; Minami, M.; Watanabe, T.; Seyama, Y.; Okado, Nature 349, 342-346, 1991
Asture 349, 342-346, 1991
A;Title: Cloning by functional expression of platelet-activating factor receptor fa;Reference number: S13638, MUID:91101726; PMID:1846231
A;Accession: S13638
A;Accession: S13638
A;Accession: S13638
A;Residues: 1-342 <HON>
A;Residues: 1-342 <HON>
A;Residues: Guinea pig is not identified; in GenBank entry CCPAFREC, recisuer expectes of guinea pig is not identified; in GenBank entry CCPAFREC, recisuer expectes of guinea pig is not identified; in GenBank entry CCPAFREC, recisuer expectes of guinea pig is not identified; in GenBank entry CCPAFREC, recisues and several expectes of guinea pig is not identified; in GenBank entry CCPAFREC, recipue and several expectes of guinea pig is not identified; in GenBank entry CCPAFREC, recipue and several expected expected and several expected expe
    A;Title: Cloning of a human platelet-activating factor receptor gene: evidence A;Reference number: 151923; MUID:93192035; PMID:8383507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RPFKTSNPKNLLGAKILSVVIW----AFMFLLSLPNMILTNROPRDK---NVKKCSFLK 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 RPIKTAQANTRKRGISLSLVIWVAIVGAASYFLILDS---TNTVPDSAGSGNVTRC-FEH 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEFGLUMHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVF 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240 IIIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYF 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YEKGSVPVLIHIFIVFSFFLVFLIIFCNLVIIRTLIMQPVQQQRNAEVKRRALWM-VC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                    A,Residues: 1-342 <RES>
A,Cross-references: GB:S56396; NID:g298580; PIDN:AAB25755.1; PID:g298581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
22.2%; Score 394; DB 2; Length 342;
Best Local Similarity 32.6%; Pred. No. 1.5e-26;
Matches 107; Conservative 61; Mismatches 134; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
                                                                                                                                                                                                                                                                                                                                                                                                                       Aymap position: Tp35-Tp34.3

C,Superfamily: ATP receptor P2u
C,Superfamily: ATP receptor P2u
C,Superfamily: ATP receptor P2u
C,Keywords: G protein-coupled receptor; transmembrane pr
F):17-38/Domain: transmembrane #status predicted <TRI>F):47-75/Domain: transmembrane #status predicted <TII>F):134-155/Domain: transmembrane #status predicted <TII>F):134-155/Domain: transmembrane #status predicted <TIV>F):184-155/Domain: transmembrane #status predicted <TIV>F):287-205/Domain: transmembrane #status predicted <TRV>F):287-205/Domain: transmembrane #status gredicted <TRV>F):277-297/Domain: transmembrane #status gredicted <VII>F):277-297/Domain: transmembrane #status gredicted <VIII>F):277-297/Domain: transmembrane #status gredicted <VIII>F):277-297/Domain: transmembrane #status gredicted <VIII>F):277-297/Domain: transmembrane #status gredicted <VIII
                                                                                      A,Accession: IS1923
A,Status: preliminary; translated from GB/EMBL/DDBJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FLTKKFRKHLTEKFYSMRSSRKCSRATT 322
                                                                                                                                                                                                                                                                                                                                          A)Gene: GDB:PTAFR
A)Cross-references: GDB:128806; OMIM:173393
                                                                                                                                                                                                                1-342 <RES>
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292 FIVCLANFNCCMDPPIYFFACKGYKRKVMRMIK-RQVSVSISSAVKSAPBENSREMTETQ 350

M 342

DYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQI---RSKSNFI-IFLKNTVISDLLMILT

22.1%; Score 392.5; DB 2; Length 342; llarity 30.7%; Pred. No. 2.1e-26; Conservative 66; Mismatches 146; Indels 21

Similarity

Local

Best Loca Matches

103; 20

21;

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234 -VCIVILAVPVICEVPHHYVQLPWTLAELG--YQINFHQAINDAHQITLCELSTNCVLDPV 290
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                                      233
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     PPRKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK 136
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N.Alternate names: purinoceptor 6H1
C;Species: Gallus gallus (chicken)
C;Date: 13-Sep-1996 #text_change 02-Jun-2000
C;Accession: I50241, JG4618
R;Kaplan, M.H.; Smith, D.I.; Sundick, R.S.
J. Immunol. 151, 628-636, 1993
A;Title: Identification of a g protein coupled receptor induced in activated 'A,Reference number: I50241; MUID:93329058; PMID:8393036
                                                                                                                                                                                                                          FLKSEFGLVWHEI VNYI CQVI FWINFLIVI VCYTLITKELYRSYVRTRGVGKVPRKKVNV
                                                                                                                                                                                                                                                                 KVFIIIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPF
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                                                                                                                                                                  TRKRGITLSLVIWISIAATASYFLATDSTNVVPKKDGSGNITRCFEHYEPYSVPILVVHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14 TSLCTRDYKITQVLPPLLYTVLFFVGLITNGLAMRIF-FQIRSKSNFIIFLKNTVISDLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Residues: 1-308 <KAP>
A;Cross-references: GB:L06109; NID:g304383; PIDN:AAB06587.1; PID:g304384
R;Webb, T.E.; Kaplan, M.G.; Barnard, E.A.
Biochem. Biophys. Res. Commun. 219, 105-110, 1996
A;Title: Identification of 641 as a P2Y purinoceptor: P2Y5.
A;Reference number: JC4618; MUID:96190677; PMID:8619790
A;Accession: JC4618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Cross references. GB:L06109; NID:g304383; PIDN:AAB06587.1; PID:g304384
A;Experimental source: T-cells
C;Comment: This receptor plays a role in T-cell activation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 2; Length 308;
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                                                                                                                137 NLLGAKILSVVIWAFM----FLLSLPNMILTNRQPRDKNVKKC---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               133-153/Domain: transmembrane #status predicted <TM4>177-201/Domain: transmembrane #status predicted <TM5>227-248/Domain: transmembrane #status predicted <TM6>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     F;269-292/Domain: transmembrane #status predicted <TM7>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20.1%; Score 357.5; DB 2; 29.5%; Pred. No. 1.9e-23; ive 68; Mismatches 125;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;Status: preliminary; translated from GB/EMBL/DDBJ;Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                  297 IYPFLCKSFRN-----SLISMLKCPNSATS 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Superfamily: ATP receptor P2u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 Similarity 29.5
87; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1-308 <WEB>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               lecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Accession: I50241
                                                                                                                                                                                                                                                                                                                                        237
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Matches 8
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                                                                                                                                             C;Species: Mus musculus (house mouse)
C;Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 20-Jun-2000
C;Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 20-Jun-2000
C;Accession: S6366
R;Ishin: S;346, 671-678, 1996
Biochem: J: 314, 671-678, 1996
A;Title: A muxine placelet activating factor receptor gene: cloning, chromosomal localiz A;Reference number: S63666, MUID:96239129; PMID:8670084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            platelet-activating factor receptor - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 20-Oct-1994 #sequence_revision 10-Nov-1995 #text_change 24-Nov-1999
C;Accession: S4322.
R;Bito, H; Honda, Z.; Nakamura, M.; Shimizu, T.
Eur. J. Biochem. 221, 211-218, 1994
A;Title: Cloning, expression and tissue distribution of rat platelet-activating-factor-ray, R;Reference number: S43252; MUID:94222063; PMID:8168510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LPLWIVYYYNEGDWILPNFLCNVAGCLFFINTYCSVAFLGVITYNRYQAVAYPIKTAQAT 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  137 NILIGAKILSVVIWAFM----FLLSLPNMILTNRQPRDKNVKKCSFLKSEFG---LVWHE 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TRKRGISLSLIIWVSIVATASYFLATDSTNLVPNKDGSGNITRCFEHYEPYSVPILVVHV 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRN 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CFVPHHVVQLPWTLAELG -- YQTNFHQAINDAHQITLCLLSTNCVLDPVIYCFLTKKFRK 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                69
                                                                                                                                                                                                                                                                                                                                                                                                                     A;Wolecule type: DNA
A;Residues: 1.341 clsH>
A;Cross-references: EMBL:D50872; NID:g1256924; PIDN:BAA09468.1; PID:g1256925
C;Superfamily: ATP receptor P2u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   190 FIAFCFFLVFFLIFYCNLVIIHTLITQPWRQQ--RKAGV----KRRALWMVCTVLAVFII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DSEFRYTLFPIVYSVIFILGVVANGYVLWVFANLYPSKKLNEIKIFMVNLTMADLLFLIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             189 IVNYICQVIFWINFLI-VIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 DYKITQVLFPLLYTVLFFVGLITNGLAMRIF---FQIRSKSNFIIFLKNTVISDLLMILT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DYKITQVLFPLLYTVLFFVGLITNGLAMRIFFOI--RSKSNFI-IFLKNTVISDLLMILT
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A;Residues: 1-341 <BIT>
A;Cross_references: GB:U04740; NID:g470384; PIDN:AAA18422.1; PID:g470385
C;Superfamily: ATP receptor P2u
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2; Length 341;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 20.6%; Score 366; DB 2; Length 341 Best Local Similarity 29.9%; Pred. No. 4e-24; Matches 96; Conservative 64; Mismatches 133; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ch 20.4%; Score 362; DB 2; Length 34
1 Similarity 28.9%; Pred. No. 8.3e-24;
96; Conservative 66; Mismatches 120; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -----SLISMLKCPNSATS 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |: | | : |||
HLSEKFYSMRSSRKC-SRATS 321
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M 351
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Best Local S
Matches 96
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angiotensin II receptor type 1b - human (Species: Homo sapiens (man) (5pecies: Homo sapiens) (Figura sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                189 IVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFIC 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           242 FVPYNINLILYSLVRTQTFVNCSVVAAVRTMYPI---TLCIAVSNCCFDPIVXYFTSDII 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  85 AKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKIL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AMEYRWPFGNYLCKIASASVSFNIYASVPLLTCLSIDRYLAIVHPMKSRLRRTMLVAKVT 148
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            149 CIIIMLLAGLASLPAIIHRNVEFIENTNITVCAFHYESRNSTLPIGLGLTKNILGS--C- 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  196 VIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFHFA 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RIPYTLSQTRDVF-----DCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNS 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           132 TSNPKNLLGAKILSVVIWAFWFLLSLPNMILTNRQPRDKNVKKC---SFLKSEFGLVWHE 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FVPFHFARIPYTLSQTRDVFDCT---AENTLFYVKESTLWLTSLNACLDPFIYFFLCKSF 305
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26 VLPPLLYTVLFFVGLITNGL-AMRIFFQIRSKSNFIIFLKNTVISDLLMILTPPFKILSD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     72 IMILTEPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13 NTSLCTRDYKITQVLPPLLYTVLFFVGLITNGLAMRIFF-QIRSKSNFIIFLKNTVISDL
                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                          Length 344;
                                                                                                                                                                                                                                                                                                     Query Match
19.0%; Score 338; DB 2; Length 34
Best Local Similarity 26.4%; Pred. No. 1.1e-21;
Matches 87; Conservative 79; Mismatches 146; Indels
A;Cross-references: EMBL:AF000546; NID:g2232068; PID:g2232069
C;Genetics:
A;Map position: 12
C;Superfamily: ATP receptor P2u
C;Superfamily: ATP receptor P2u
C;Keywords: G protein-coupled receptor; transmembrane protein
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Best Local S:
Matches 92
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                angiotensin II receptor type 1 - bovine
C;Species: Bos primigenius indicus x Bos primigenius taurus (cattle)
C;Species: Bos primigenius indicus x Bos primigenius taurus (cattle)
C;Accession: S15403
C;Accession: S15403
R;Sasaki, K.; Yamano, Y.; Bardhan, S.; Iwai, N.; Murray, J.J.; Hasegawa, M.; Matsuda, Y.
Nature 351, 230-233, 1991
A;Title: Cloning and expression of a complementary DNA encoding a bovine adrenal angiote
A;Reference number: S15403; MUID:91251900; PMID:2041569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       retinob
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NyAlternate names: G-protein coupled receptor
C;Species: Home sapiens (man)
C;Accession: T09508
R:Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.; Bunnett, N.W.
S:Bohm, S.K.; Trumpp, A.; Khitin, L.M.; Kong, W.; Payan, D.G.; Bunnett, N.W.
A;Description: The human purinergic receptor P2V5 is encoded in intron 17 of the A;Reference number: 216705
A;Accession: T09508
A;Scatus: preliminary; translated from GB/EMBL/DDBJ
A;Kolecule type: mRNA
A;Residues: 1-344 <BOH>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            253 WVPHQIFTFMDVLIQLGLIRDCKIEDIVDTAMPITICLAYFNNCLNPLFYGFLGKKFKKY 312
                : | : | : | : | : | : | 180 | | | | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 
                                                                                                                                                                                                                                     145 SVVIWAFMFLLSLPIMILTN-RQPRDKNVKKCSF-----LKSEFGLVWHBIVNYICQ 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 196 VIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFHFA 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFIC 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 85 AKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKIL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 89 AMEYRWPFGNYLCKIASASVSFNLYASVFLLTCLSIDRYLAIVHPMKSRLRRTMLVAKVT 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RIPYTLSQTRDVF-----DCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNS 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29 IMIPILYSIIFVVGIFGNSLVVIVIYFYMKLKIVASVFLLALALADLCFLLTLPLHAVYT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26 VLFPLLYTVLFFVGLITNGL-AMRIFFQIRSKSNFIIFLKNTVISDLLMILTFPFKILSD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                     249 FVPFHFARIPYTLSQTRDVFDC---TAENTLFYVKESTLWLTSLNACLDPFIYFF 300
                                                                                                                                                                                                                                                                                                                                                                                                                                40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Sratus: preliminary
A;Nolecule type: mRNA
A;Residues: 1-59 <SAS.
A;Crost-references: GB:X62294; NID:943; PIDN:CAA44182.1; PID:944
C;Superfamily: vertebrate rhodopsin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19.1%; Score 339; DB 2; Length 359;
larity 27.9%; Pred. No. 9e-22;
Conservative 62; Mismatches 143; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FLOLLKYIPPKAKSHSNLSTKWSTLSYRPSENGNSSTKKP 352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 309 LISMLK-CPNSATSLSQDNRK-----KEQDGGDPNEETP 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 08-Oct-1999
C;Accession: A48857
R;Burns, K.D.; Inagami, T.; Harris, R.C.
Am. U. Physiol. 264, F645-F654, 1993
A;Title: Cloning of a rabbit kidney cortex AT1 angiotensin II receptor that is A;Reference number: A48857
A;Accession: A48857
                                                                                                                                                                                                                                           133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        141 AKI-LSVVIWAFMFLLSLPNMIL--TNRQPRDKNVKKCSFLKSFFGLVWHBIVNYICQV- 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CIIIWLLAGLASLPAIIHRNVFFIENTNITVCAFHYESONSTLPIGLGLT-KNILGFL-- 205
                                                                                                                                                                                                                                                                                                                                                                                              134 ISYHLHGNNWVYGEALCKVLIGFFYGNMYCSILFMTCLSVQRYWVIVNPM--GHPRKKAN 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         --IFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFICFVPFHF 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         255 AR-IPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLISML 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     85 AKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKIL 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SVVIWAFMFLLSLPNMILTN-ROPRDKNVKKCSF-----LKSEFGLVWHEIVNYICQ 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | | : | | : : | | 259 FTFLDVLIQLGVIHDCRIADIVDTAMPITICIAYFNNCLNPLFYGFLGKKFKKYFLQLLK 318
                                                                                                                                                  80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  255 ARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLISMLK 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            84
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                                                                                                                                                                                                                                                                                                                                        ILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPKNLLG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26 VLFPLLYTVLFFVGLITNGLA-MRIFFQİRSKSNFIIFLKNTVISDLLMILTFPFKILSD
                                                                                                                                                       22 KITQVLFPLLYTVLFFVGLITNGLAMRIF-FQIRSKSNFIIFLKNTVISDLLMILTFPFK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A, Cross-references: GB:S59041; NID:g299614; PIDN:AAB26239.1; PID:g299615
A, Experimental source: proximal tubule cells
A, byote: sequence extracted from NCBI backbone (NCBIN:129600, NCBIP:129601)
C, Superfamily: vertebrate rhodopsin
C, Keywords: G protein-coupled receptor; transmembrane protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 18.3%; Score 325; DB 2; Length 359; Best Local Similarity 29.2%; Pred. No. 1.5e-20; Matches 92; Conservative 55; Mismatches 146; Indels
                                                          Indels
                   Pred. No. 1.5e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              314 KCPNSAT----SLSQDNRKKEQDGGDPNEET 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        362 LCRSVRTVNRMQISLS-SNKFSRKSGSYSSSST 393
27.6%; Prec. ....
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    Best Local Similarity 27.6
Matches 92; Conservative
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A,Molecule type: nucleic acid
A,Residues: 1-359 <BUR>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    145 SVVIWAFMFLLSLPNMILIN-RQPRDKNVKKCSF-----LKSEFGLVWHEIVNYICQ 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          254
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         255 ARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRNSLISMLK 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FTFLDVLIQLGIIHDCKIADIVDTAMPITICIAYFNNCLNPLFYGFLGKKFKKYFLQLLK 318
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    angiotensin II receptor type 1 - dog
C;Species: Canis lupus familiaris (dog)
C;Species: Canis lupus familiaris (dog)
C;Accession: S4425
R;Burns, L.; Clark, K.L.; Bradley, J.; Robertson, M.J.; Clark, A.J.L.
FEBS Lett. 343, 146-150, 1994
A;Title: Molecular cloning of the canine angiotensin II receptor. An ATI-lik
A;Reference number: S44425
A;Reference number: G4425
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VLFPLLYTVLFFVGLITNGL-AMRIFFQIRSKSNFIIFLKNTVISDLLMILTFPFKILSD
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A;Molecule type: mRNA
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A)Cross-references: PIDN:AAB30674.1; PID:9546569
                                                                                                                                         LISMLK-CPNSATSLSQDNRK 328
                                                                                                                                                                                                   313 ILQLLKYIPPKAKSHSNLSTK 333
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Best Local Similarity 29.2%
Matches 92; Conservative
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to the P2Y5 receptor.
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C; Species: Homo sapiens (man)
C; Date: O'2-Sep-1997 #text_change 24-Sep-1999
C; Date: O'2-Sep-1997 #sequence_revision 05-Sep-1997 #text_change 24-Sep-1999
C; Accession: U'55549
R; Janssens, R.; Boeynaems, J.M.; Godart, M.; Communi, D.
Biochen: Biochen: Commun. 236, 106-112, 1997
A; Title: Cloning of a human heptahalical receptor closely related to the P2Y5 ri
A; Reference number: U'5549; MUID:97366605; PMID:9223435
A; Accession: U'5549
A; Molecule type: DNA
A; Residues: 1-370 cJAN>
A; Residues: 1-370 cJAN>
A; Cross-references: DDBJ:AF005419; NID:92240034; PIDN:AAB66322.1; PID:92240035
C; Superfamily: ATP receptor P2u
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                                                                                                                                                                                                                                                                                                                                                                    149 CIIIWILAGLASLPAIIHRNVPFIENTNITVCAFHYESQNSTLPIGLGLT-KNILGFL-- 205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    196 VIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKKNNVKVFIIIAVFFICFVPFHFA 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     256 RIPYTLSQTRDVF-----DCTAENTLFYVKESTLWLISLNACLDPFIYFFLCKSFRNS 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       253 WIPHQIFTFLDVLIQLGIIRDCRIADIVDTAMPITICIAYFNNCLNPLFYGFLGKKFKRY 312
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                                                                                                                                                         85 AKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPKNLLGAKIL 144
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C;Species: Homo sapiens (man)
C;Date: 02-Sep-1997 #sequence_revision 05-Sep-1997 #text_change 24-Sep-1999
26 VLFPLLYTVLFFVGLITNGL-AMRIFFQIRSKSNFIIFLKNTVISDLLMILTFPFKILSD
                                                 29 VMIPTLYSIIFVVGIFGNSLVVIVIYFYMKLKTVASVFLLNLALADLCFLLTLPLWAVYT
                                                                                                                                                                                                       206 ----FPFLILLTSYTLIWKALKKAYEIQK---NKPRNDDIFKIIMAIVLFFF-----FS
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Local Similarity 27.7%; Pred. No. 3.3e-20;
les 87; Conservative 67; Mismatches 134; Indels 26;
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angiotensin II receptor type 1B
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PFIYYFTLESFOKS 321
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A; Title: Molecular cloring, sequence analysis and expression of a cDNA encoding human ty A; Reference number: JH0267, MUD:92198490; PMID:1550596
A; Molecula type: MRNA
A; Residues: 1-359 < TAK>
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(Superfamily: vertebrate rhodopsin

(Superfamily: vertebrate rhodopsin

(Superfamily: vertebrate rhodopsin

(Stoyavords: G protein-coupled receptor; glycoprotein; hormone receptor; transmembrane #status predicted <TM2>

(Stoyavords: G protein-coupled receptor; gradicted <TM3>

(Stoyavords: G protein-coupled receptor; gradicted <TM3>

(Stoyavords: G protein-coupled relatus predicted <TM3>

(Stoyavords: Transmembrane #status predicted <TM3>

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Cross-references: BMBL:Z11162; NID:g28709; PID:g28710

Experimental source: lymphocyte
Pergrama, D.J.; Ellis, C.; Kumar, C.; Nuthulaganti, P.; Kersten, H.; Elshourbagy, N.; Blophys. Res. Commun. 183, 589-995, 1992

Fittle: Cloning and characterization of a human angiotensin II type 1 receptor.

Reference number: JH0574; MUID:92231907; PMID:1567413
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A;Molecule type: mRNA
A;Residues: 1-359 cCUR>
A;Cross-references: GB:M93394; NID:g178680; PID:g178681
A;Note: sequence extracted from NCBI backbone (NCBIN:111831, NCBIP:111833)
C;Genetics:
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Residues: 1-359 <BER>
Cross-references: GB:M87290; NID:g178682; PIDN:AAA35535.1; PID:g178683
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A, Experimental Source: liver
R, Curnow, K.M.; Pascoe, L.; White, P.C.
Mol. Endocrinol. 6, 1113-1118, 1992
A, Title: Genetic analysis of the human type-1 angiotensin II receptor. A, Reference number: A44014; MUID:92375105; PMID:1508224
A, Accession: A44014
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:Cross-references: GDB:132359; OMIM:106165
                    319 YIPPKAKSHSNLSTK 333
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es 92; Conserv
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Best Local S
Matches 92
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ternate names: angiotensin II receptor chain B

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Iwai, N.; Inagami, T.
BS Lett. 298, 257-260, 1992
Title: Identification of two subtypes in the rat type I angiotensin II receptor.
Reference number: S20423; MUID:92183879; PMID:1544458
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ies: Rattus norvegicus (Norway rat)
04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 08-Oct-1999
                                                                   ccession: A42666; S24423
andberg, K.; Ji, H.; Clark, A.J.; Shapira, H.; Catt, K.J.
Biol. Chem. 267, 9455-9458, 1992
litle: Cloning and expression of a novel angiotensin II receptor subtype.
eference number: A42656; MUID:92250585; PMID:1374402
                                                                                                                                                                                                                                                                                                               Status: preliminary
Molecule type: mRWA
Residues: 1-359 <SAN>
Residues: 1-359 <SAN>
Experimental source: dB:M90065; NID:g202801; PIDN:AAA40704.1; PID:g202802
Experimental source: adrenal cortex
Note: sequence extracted from NCBI backbone (NCBIN:100262, NCBIP:100268)
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A;Residues: 1539 <1WA>
A;Cross=references: GB:K64052; NID:g57521; PIDN:CAA45410.1; PID:g57522
C;Superfamily: vertebrace rhodopsin cresptor; transmembrane protein
C;Reywords: G protein-coupled receptor; transmembrane protein
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127863 Total number of hits satisfying chosen parameters: 127863 segs, 47026705 residues Searched:

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	HUMAN STANDARD; PRT; 342 AA.	2003 (Rel. 41, Creat	(Rel. 42, Last annotation update)	noceptor 12 (F2114) cose receptor) (ADF	(SP1999). P2RX12 OR HORK3.	Sapiens (Human).	Bukaryota, Metazoa, duordata, Craminata, Verteblata, Juceroocomi, Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.	NCBI_TaxID=9606;	SEQUENCE FROM N.A.	MEDLINE=2103/966; PubMed=11196645; Hollopeter G Jantzen H -M Vincent D Li G England L.	rishnan V., Yang RB., Nurden P., Nurden A., Julius D.J.,	Y P.B.; Hification of the ulatelet AND recentor targeted NV	antithrombotic drugs.	e 409:202-207(2001).		SECUENCE FROM N.A. TISSIREHVDOLDALAMUS:	bMed=11104774;	F.L., Luo L., Gustafson E., Lachowicz J., Smith M., Qiao X.,	h., Chen G., Framanik B., Daz I.M., Faimei N., Dazue W.,	is the cognate ligand for the orphan G protein-coupled receptor		J. BIOL. CREM. 276:8608-8615(2001).	N.A.	'TLSSUK=Bfrain; MRDLINE=21394281; PubMed=11502873;	ti J., Kamohara M., Saito T.	Ohishi T., Soga T., Matsushime H., Furuichi K., "Molecular cloning of the platelet P2T(AC) ADP receptor:	an	receptor."; Mol. Pharmacol. 60:432-439(2001)		SEQUENCE FROM N.A. Deinenheid B. K. Nothanker HD. Wand Z. Zend J. Bhlert F.J	Cive111 0.,	glucose activates a G-protein coupled receptor and inhibits	BMCOCH MUSCIE CONTRACTIONS Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases:	(5)	ince From N.A. la S., Kadowaki S., Haga T., Takaesu H., Mitaku S.,	ification of	le sequence;
1	P2YC HUMAN ID P2YC HUMAN	28-FEB- 28-FEB- 28-FEB-	15-SE	(ADP-5	(SP1999) P2RY12 O	Homo s	Mamma]	NCBI	SEQUEN	MEDLID Hollor	Ramaki	Conley	antith	Nature	[2]	TISSIT	MEDLIN	Zhang	Monema	"ADP	SP1995	7. [3]	SEQUEN	MEDILIA	Takasa	Ohishi "Molecu	pharme	recept Mol E	[4]	SEQUE	Civel]	"ADP-c	Submit	(5)	Jakeda	"Ident	genome
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241 IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFF 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 IIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLMLTSLNACLDPFIYFF 300
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Sada N., Hida M., Kusuda V., Tanuma R., Iseki K., Hirai M., Terao Suzuki Y., Sugano S., Hashimoto K.;
"Isolation of full-length oDNA clones from macaque brain cDNA"
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--- SUBCELLULAR LOCATION: Integral membrane protein.
--- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
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P2YC MACFA (92BCTB; 92BCTB; 26-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
28-FEB-2003 (Rel. 41, Last annotation update)
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282 302 7 (POTENTIAL).
303 342 CYTOPLASMIC (POTENTIAL).
97 175 BY SIMILARITY.
6 6 N-LINKED (GLCNAC. .) (POTENTIAL).
13 13 N-LINKED (GLCNAC. .) (POTENTIAL).
342 AA, 39438 MW; 8553D2746C89176D CRC64;
                                                                                                                                                                                                         100.0%; Score 1778; DB 1; Length 342; 100.0%; Pred. No. 3.7e-117;
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Receptor for ADP and ATP coupled to G-proteins
inhibit the adenylyl cyclase second messenger system (By
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Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y., Arakawa T., Hara A., Fhiunishi Y., Komdo H., Adachi J., Fhiuda S., Alzawa K., Izawa M., Nishi K., Kiyosawa H., Kando S., Yamanaka I., Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R., Saito T., Matsuda H.A, Ashburner M., Batalov S., Casavant T., Reistenmun W., Gasterland T., Gissi C., King B., Kochiwa H., Kuchl P., Lewis S., Matsuo T., Nikaido I., Pesole G., Quackenbush J., Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T., Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G., Blake J., Boliuga N., Carninci P., de Bonaldo M.F., Brownstein M.G., Bult C., Fletcher C., Fujita M., Gariboldi M., Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P., Lyons P., Marchionni L., Mashima J., Mazzarelli J., Sakamcto N., Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F., Suzuki H., Toyo-oka K., Wang K.H., Weltz C., Whittaker C., Whiming L., Mushing L., Whithaker C., Whittaker C., Whittaker C., Whiming L., Wanning L., Whittaker C., Wanning L., Wanning 
                                             STRAIN-C57BL/6J; TISSUE-Hippocampus, and Testis; MEDLINE-21085660; PubMed=11217851;
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13 N-LINKED (GLCNAC. . .) (POTENTIAL)
49 I -> T (IN REF. 1, BAB33041).
89 A -> T (IN REF. 1, BAB33041).
39479 MW, E93FC26BBFFSEC4C CRC64;
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                                                                                           PRINTS; PR00237; GPCRRHODOPSN.
PRINTS; PR01569; P2Y12PRNCPTR.
PROSITE; PS00237; G PROTEIN RECEP F1 1; FALSE NEG.
PROSITE; PS50262; G-PROTEIN_RECEP_F1_2; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein.
DOMAIN 1 25 EXTRACELLULAR (POTENTIAL).
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Pred. No. 4.5e-115;
3; Mismatches 4;
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28-FEB-2003 (Rel. 41, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
P2Y purinoceptor 12 (P2Y12)
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             InterPro; IPR000276; GPCR, Rhodpan.
InterPro; IPR005394; P2X12_purnocptor.
Pfam; PF00001; 7tm_1; 1.
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Best Local Similarity 98.0%;
Matches 335; Conservative
EMBL; AB062981; BAB60747.1;
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                                                                                                                                           SEQUENCE FROM N.A.

MEDLINE=22388257; PubMed=12477932;

MEDLINE=22388257; PubMed=12477932;

MEDLINE=22388257; PubMed=12477932;

MEDLINE=22388257; PubMed=12477932;

MIGHER R.D., Collins F.S., Wagner L., Shemmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Diatchenko L., Marusina K., Farmer A.B., Rubin G.M., Hong L.,

Brownstein M.J., Usdin T.B., Toshlyuki S., Carninot P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Malek J.A., Gunaratne P.H.,

Brownstein M.J., McDwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Brownstein D.K., Muzny D.M., Scdergren E.J., Lu X., Gibbs R.A.,

Richards S., Worley K.C., Hale S., Gardin A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Gadergren E.J., Lu X., Gibbs R.A.,

Rhiting M., Madan A., Young A.C., Shevchenko Y.; Buffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smallus D.E.,

Generation and initial analysis of more than 15,000 full-length

Thuman and mouse cDNA sequences J.M. Marra M.A.;

Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).

-I. FUNCTION: Receptor for ADP and ATP coupled to G-proteins that

inhibit the adenylyl cyclase second messenger system (By

inhibit the adenylyl cyclase second messenger system (By
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GO; GO:0001609; F:adenosine receptor, G-protein coupled activity; IMP.
GO; GO:0001621; F:platelet App receptor activity; IMP.
GO; GO:000188; P:platelet App receptor activity; IMP.
GO; GO:000188; P:platelet activation; coupled to cAMP nucleo. .; IMP.
GO; GO:0030168; P:platelet activation; IMP.
InterPro; IPR006276; GPOR Rhodpsn.
InterPro; IPR006394; P2Y12 purnocptor.
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"Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus. NCBI_TaxID=10090;

P2Y purinoceptor 12 (P2Y12). P2RY12.

Mus musculus (Mouse)

RANSMEM

DOMAIN

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Query Match

Local

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    SINCIALILY,
    SUBCELLULAR,
    SUBCELLULARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.

                                                                                                                                                                                                that
                        Hollopeter G., Jantzen H.-M., Vincent D., Li G., England L., Ramakrishnan V., Yang R.-B., Nurden P., Nurden A., Julius D.J.,
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REMBL; AP313450; AAG48945.1; -;

R InterPro; IPR000279; P2Y12_purnocptor.

R Pfam; PF00001; 7tm 1; 1.1;

R PRINTS; PR00123; GPCREHODOPS.

R PRINTS; PR01569; PSY12_PRNCPTR.

R RINTS; PS01237; G_PROTEIN RECEP_F1_1; FALSE_NEG.

R PROSITE; PS50252; G_PROTEIN RECEP_F1_2; 1.

R PROSITE; PS50262; G_PROTEIN RECEP_F1_2; 1.

C-transmembrane; Glycoprotein.

R G_Protein coupled receptor; Transmembrane; Glycoprotein.

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Nature 409:202-207 (2001).
-!- FUNCTION: Receptor for ADP and ATP coupled to G-proteins inhibit the adenylyl cyclase second messenger system (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         86.9%; Pred. No. 8.6e-100;
iive 17; Mismatches 22; Indels
                                                                             Conley P.B.;
"Identification of the platelet ADP receptor targeted by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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39047 MW;
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Best Local Similarity
Matches 293; Conserv
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
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N-LINKED (GLCNAC. . .) (POTENTIAL)
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V -> M (IN REF. 2; AAH25428).
F107488E57E025F1 CRC64;
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28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
P2Y purinoceptor 12 (P2Y12) (P2Y12 platelet ADP receptor)
P2RY12.
Pfam; PF00001; 7tm 1; 1.

PRINTS; PR00237; GPCRHHODOPSN.

PRINTS; PR01569; P2X12PRNCPTR.

PROSITE; PS00237; G_PROTEIN RECEP_F1_1; FALSE_NEG.

PROSITE; PS050262; G_PROTEIN RECEP_F1_2; 1.

G_protein coupled receptor; Transmembrane; Glycoprotein.

G_protein coupled receptor; Transmembrane; Glycoprotein.
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EXTRACELLULAR (POTENTIAL).
3 (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL)
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88.7%; Pred. No. 1.1e-101;
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MEDLINE=21037966; PubMed=11196645;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          39473 MW;
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299; Conserv
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"A G protein-coupled receptor for UDP-glucose.";

J. Bargema D.G., Wilson S., Livi G.P.,

"A G protein-coupled receptor for UDP-glucose.";

J. Bargema D.G., Wilson S., Livi G.P.,

"A G protein-coupled receptor for UDP-glucose ";

"Bargema D.G., Wilson S., Livi G.P.,

"Bargema D.G., Wilson S., Livi G.P.,

"Bargema D.G., Wilson S., Livi G.P.,

"Bargema D.G., Wilson S., Livi G.P.,

"Bargema D.G., Wilson S., Livi G.P.,

"Bargema C., Bergema C., Wilson S., Livi G., Marphy A.G.,

"Bargema C., Wilson S., Livi G., Wilson S., Livi G., Arg.,

"Bargema C., Lissun S., Livi G., Livi G., Marphy M.G.,

"Bargema C., Lissun S., Livi G., Marphy M.G.,

"Bargema C., Lissun S., Livi G., Marphy M.G.,

"Bargema C., Lissun S., Livi G., Marphy M.G.,

"Bargema C., Marphy M.G., Marphy M.G.,

"Bargema D.G., William C., William C., Watson M.G., Marphy M.G.,

"Bargema D.G., William C., Watson M.G., Marphy M.G., Marphy M.G.,

"Bargema D.G., Watson M.G., Marphy M.G., Marphy M.G., Marphy M.G.,

"Bargema D.G., William C., Watson M.G., Marphy M.G., Marphy M.G., Marphy M.G.,

"Bargema D.G., Watson J., Marphy M.G., Marphy M.G., Marphy M.G., Marphy M.G., Marphy M.G.,

"Bargema D.G., Marphy M.G., Marphy M
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GO; GO:0016201; C:integral to membrane; NAS.
GO; GO:0016202; C:integral to membrane; NAS.
GO; GO:0045029; F:UDP-activated nucleotide receptor activity; NAS.
GO; GO:0007186; P:G-protein coupled receptor protein signalin. .; NAS.
InterPro; IPR000276; GPCR.Rhodpsn.
InterPro; IPR005466; UDPG_receptor.
Ffam; PF00001; 7tm1; 1.
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MEDLINE=96051387; PubMed=7584026;
MEDLINE=96051387; PubMed=7584026;
Nomura N., Miyajima N., Sazuka T., Tanaka A., Kawarabayasi Y.,
Sato S., Nagase T., Seki N., Ishikawa K.-I., Tabata S.;
"Prediction of the coding sequences of unidentified human genes. I.
The coding sequences of 40 new genes (KIAA0001-KIAA0040) deduced by analysis of randomly sampled cDNA clones from human immature myeloid cell line KG-1.":
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Joensuu T., Haemaelaeinen R., Yuan B., Johnson C., Tegelberg S.,
Gasparini P., Zelante L., Pirvola U., Pakarinen L., Lehesjoki A.-E.,
de la Chappelle A., Sankila E.-M.;
"Mutations in a novel gene with transmembrane domains underlie Usher
"Mutations in a novel gene with transmembrane domains underlie Usher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryoča, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                     15-UUL-1998 (Rel. 36, Created)
15-UUL-1998 (Rel. 36, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
UDP-glucose receptor (G protein-coupled receptor GPR105)
                                                   RNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPM
                                                                                                                                                                                                                                                                                                              338
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Am. J. Hum. Genet. 69:673-684(2001),
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MEDLINE=21426338; PubMed=11524702;
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EMBL; AF456925; AAL47764.1; -.
                                                                                                                                                                                                                                                                                                              STANDARD;
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306
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Q15391;
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Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
                                                                                                                                                                                                                                                                                                       Lee B.C., Scadden D.T.; "7 transmembrane G protein coupled receptor from hematopoietic
                                                                                                                                                                                                                                                                                                                                                                                                                                                  43.4%; Score 772; DB 1; Length 338; 47.5%; Pred. No. 3.9e-47;
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28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
UDP-glucose receptor (G protein-coupled receptor GPR105)
Mus musculus (Mouse)
PRINTS; PRO1655; UDPGLUCOSER.

PROSITE; PS00237; G_PROTEIN_RECEP_F1_1; FALSE_NEG.

PROSITE; PS50262; G_PROTEIN_RECEP_F1_2; 1.

G-protein coupled receptor; Transmembrane; Glycoprotein.

DOMAIN

TRANSMEM

30

1 (POTENTIAL).
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Submitted"(AUG-1999) to the EMBL/GenBank/DDBJ databases.
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8DBE7C782CB4753D CRC64;
                                                                                             1 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                  3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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                                                                                                                                                                                                                                                                                                                                                                                              161
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338 AA;
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                                                  This SWISS-FROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the BNBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/amnounce/or send an email to license@isb-sib.ch).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           184 LVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIA 243
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R GO; GO:00160217 C:Integral to membrane; ISS.

R GO; GO:0045029; F:UDP-activated nuclectide receptor activity; ISS.

R GO; GO:0045029; F:UDP-activated nuclectide receptor activity; ISS.

R GO; GO:007186; P:G-protein coupled receptor protein signalin. . ; IS

R InterPro; IPR001276; GPCR, Rhodpsn.

InterPro; IPR001466; UDPG_receptor.

R PFINTS; PR01053; GPCRRHODDOSR.

R PROSITE; PR01055; UDPGLUCOSR.

R PROSITE; PR01055; UDPGLUCOSR.

R PROSITE; PR01055; GPROTEIN RECEP_F1 1; FALSE NGG.

R PROSITE; PR02023; GPROTEIN RECEP_F1 2; 1.

R PROSITE; PR01055; GPROTEIN RECEP_F1 2; 1.

PROMAIN 1 29 EXTRACELLULAR (POTENTIAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
             similarity).
SUBCELLULAR LOCATION: Integral membrane protein.
SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
 FUNCTION: Receptor for UDP-glucose coupled to G-proteins (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7;
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N-LINKED (GLCNAC. . .) (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        41.7%; Score 741.5; DB 1; Length 338;
44.1%; Pred. No. 5.1e-45;
iive 69; Mismatches 109; Indels 7
                                                                                                                                                                                                                                                                                                                                                                              4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -LINKED (GLCNAC. . .) (PC
4376B50622A68A4E CRC64;
                                                                                                                                                                                                                                                                                                                                        EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                       6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                        (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (POTENTIAL)
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                                                                                                                                                                                                                                                                                                                                                                                                                                             7 (POTENTIAL).
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CYTOPLASMIC (
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hes 146; Conservative 6
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                                                                                                                                                                                                             Bukaryota; Merazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus
NCBI_TaxID=10116;
                                                                                                                                        (VTR 15-20)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -1- SUBCELLULÂR LOCATION: Integral membrane protein.
-1- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL, U76206, AAB71745.1; -. GO, GO:0016021; C:integral to membrane; ISS.

GO; GO:0016021; C:integral to membrane; ISS.

GO; GO:0045029; F:UDP-activated nucleotide receptor activity; ISS.

GO; GO:0007186; P:G-protein coupled receptor protein signalin. .. InterPro; IPR000276; GPCR_Rhodpsn.

InterPro; IPR000276; GPCR_Rhodpsn.

Pfam; PF00001; 7tm 1; 1.

PRINTS; PR00237; GPCRHODOPSN.

PRINTS; PR01655; UDPGLUCOSER.
                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
MEDLINE-97439647; PubMed-9295203;
Charlton M.E., Williams A.S., Fogliano M., Sweetnam P.M., Duman F. The isolation and characterization of a novel G protein-coupled receptor regulated by immunologic challenge.";
Brain Res. 764:141-148(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (By
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2 (POTENTIAL).
N-LINKED (GLONG. .) (POTENTIAL)
N-LINKED (GLONG. .) (POTENTIAL)
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-1- FUNCTION: Receptor for UDP-glucose coupled to G-proteins
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                     15-UU-1998 (Rel. 36, Created)
15-UU-1998 (Rel. 36, Last sequence update)
15-SPP-2003 (Rel. 42, Last annotation update)
UDP-glucose receptor (G protein-coupled receptor GPR105)
GPR105.
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CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLUTAR (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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305
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                                                                                                                                                                                                   Rattus norvegicus (Rat).
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305 AA;
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                                                                                                                                      120
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EMBL, AF002966; AAC51846.1; -.
EMBL, AF411849; AAL47763.1; -.
GO; GO:001021; C:integral to membrane; NAS.
GO; GO:0007186; P:G-protein coupled receptor protein signalin. ..; NAS.
InterProt; IFR000276; GPCR Rhodpsn.
Pfam, PF00001; 7tm 1; 1.
PROSITE; PS00277; GPCRPIN RECEP F1 1; 1.
PROSITE; PS50262; GPROTEIN RECEP F1 2; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein.
21 EXTRACELIULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
TISSUE=Peripheral blood monocytes;
MEDLINE=98036061; PubMed=9370294;
Jacobs K.A., Collins-Racie L.A., Colbert M., Duckett M.,
Golden-Fleet M., Kelleher K., Kriz R., LaVallie E.R., Merberg D.,
Spaulding V., Stover J., Williamson M.J., McCoy J.M.;
"A genetic selection for isolating cDNAs encoding secreted proteins.";
Gene 198:289-296(1997).
                           KNIVVADPI.MGLTFPFKVI.SDSGLGPWQLNVFVFRVSAVIFYVNMYVSIAFFGLISFDRY
                                                                QKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKSBFG
                                                                               LVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIA
            KNIVISDLIMILIFPFKILSDAKLGIGPLRIFVCQVISVIFYFIMYISISFLGLITIDRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Joensuu T., Haemaelaainen R., Yuan B., Johnson C., Tegelberg S., Gasparini P., Zelante L., Pirvola U., Pakarinen L., Lehesjoki A.-E., de la Chapelle A., Sankila E.-M.; "Mutations in a novel gene with transmembrane domains underlie Usher syndrome type 3.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Am. J. Hum. Genet. 69:673-684(2001).
-- FUNCTION: ORPHAN RECEPTOR.
--- SUBCELLULAR LOCATION: Integral membrane protein.
--- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                          244 VFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDP 295
                                                                                                                                                                                                 241 AFVACFAPYHVARIPYTKSQTEGHYSCQAKETLLYTKBFTLLLSAANVCLDP 292
                                                                                                                                                                                                                                                                                                                                                                            Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                             30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
36-FEB-2003 (Rel. 41, Last annotation update)
Probable G protein-coupled receptor H963.
                                                                                                                                                                                                                                                                       319 AA
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                                                                                                                                                                                                                                                                      STANDARD;
                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human)
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SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      190 VNYICQVIFWINF-LIVIVCYTLITKELYRSYVRIRGVGKVPR-KKVNVKVFIIIAVFFI
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TNFICVAIF-LNFSAIILISNCLVIRQLYRN----KDNENYPNVKKALINILLVTTGYII
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Musinae, Mus
                                                                                                                                                                                                                              (POTENTIAL)
                                                                                                                                                                                                                                                                                27.4%; Score 488; DB 1; Length 319; 34.5%; Pred. No. 2.2e-27;
                                                                                                                                                                                                                                                                                                                      62; Mismatches 125; Indels
                 2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
                                                 3 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
N-LINKED (GLCNAC. ) (PO
79B9821C10841114 CRC64;
                                                                                                                                                                     EXTRACELLULAR (POTENTIAL)
                                                                                                                      5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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16-OCT-2001 (Rel. 40, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            375 AA
                                                                                                                                                                                              7 (POTENTIAL)
CYTOPLASMIC ()
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                                                                                                                                                                                                                                                                                                                      Conservative
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Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                     Similarity
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Matches 112;
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Q9R1K6;
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Homo sapiens (Human). Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi; Mammalia, Eutberia, Primates, Catarrhini, Hominidae, Homo.

TISSUE=Fetal brain;
BEDILNE=9326137; PubMed=10395919;
Schoneberg T., Schulz A., Grosse R., Schade R., Henklein P., Schultz G., Gudermann T.; "A novel subgroup of class I G-protein-coupled receptors."; Biochim. Biophys. Acta 1446:57-70(1999).

SEQUENCE FROM N.A.

NCBI TaxID=9606;

GPR34

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SEQUENCE FROM N.A.
MEDLINE-99156852; PubMed=10036181;
Marchese A., Sawzdargo M., Nguyen T., Cheng R., Heng H.H., Nowak Im D.-S., Lynch K.R., George S.R., O'Dowd B.F.;
nbiscovery of three novel orphan G-protein-coupled receptors.";

Genomics 56:12-21(1999)

for

SEQUENCE FROM N.A.
MEDINIE=2043-921; PubMed=10982042;
JACODI F.K., Broghammer M., Pesch K., Zrenner E., Berger W.,
Meindl A., Fusch C.M.;
"Physical mapping and exclusion of GPR34 as the causative gene
"Physical mapping and exclusion of GPR34 as the Head of GPR34 as the causative gene
congenital stationary night blindness type 1.";
Hum. Genet. 107:89-91(2000).

SEQUENCE FROM N.A.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 IFLKNTVISDLLMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITI 120
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and for -
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                                                                  (POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
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                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 375;
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                                                                                                                                                                                                                                                                                        6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                   EXTRACELLULAR (POTENTIAL).
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                                                                                                                                                                                           2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                           CYTOPLASMIC (POTENTIAL).
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N-LINKED (GLCNAC. ..)
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N-LINKED (GLCNAC. .)
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        institutions as long
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                                                                                                                                                                                                                                                                                      (POTENTIAL)
                                                                EMBL; AF081916; AAD50550.2; -.
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284
304
325
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GP34_HUMAN
ID GP34_H
AC Q9UPCS,
DT 16-OCT-
DT 15-SEP-
DE Probab]
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mile Strausberg R.L., Feingold E.K., Grouse L.H., Derge J.G.,

Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Scheefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Mang J., Hsieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Expleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Ugdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Richards S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcina A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.R.,

Rahy J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Rhiting M., Madan A., Young A.C., Shevchonko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Rhenterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.,

Roherch A., Schein J.E., Jones S.J.M., Marra M.A.,

Roherch A., Schein J.E., Jones S.J.M., Marra M.A.,

Rohman and initial analysis of more than 15,000 full-length
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-!- FUNCTION: ORPHAN RECEPTOR.
-!- SUBCELLULAR LOCATION: Integral membrane protein (By similarity)
-!- TISSUE SPECIFICITY: BROADLY EXPRESSED.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE-Placenta;
Isogai T., Ote T., Hayashi K., Sugiyama T., Oteuki T., Suzuki Y., Nishikawa T., Nagai K., Sugano S., Takahashi-Fujii A., Hara H., Tanase T., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Nabekura T., Ishii S., Kawai Y., Saito K., Yamamoto J., Wakamura V., Nagahari K., Masuho Y., Oshima A.; Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE=Placenta;
MEDLINE=22388257; PubMed=12477932;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
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GP34_HUMAN STANDARD; PRT; 381 AA. Q9UPC5; 095853; 16-0CT-2001 (Rel. 40, Created) 16-0CT-2003 (Rel. 40, Last sequence update) 15-SEP-2003 (Rel. 42, Last annotation update) Probable G protein-coupled receptor GPR34.

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DRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 EFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYR-SYVRTR--GVGKVPRKKVNVK 237
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                 EMEL; AF039686; AAD55311; ...

REMEL; AR0279686; AAD55311; ...

REMEL; AR027968; BAB55311; ...

REMEL; AR027968; BAB55362.1; ...

REMEL; AR0270678; AAB10678.1; ...

REMEL; AR0270678; AAB10678.1; ...

REMEL; AR020678; AAB10678.1; ...

REMEL; BC0020678; AAB10678.1; ...

RIME; BC0007186; P:G-protein coupled receptor protein signalin, ..; TA THE TERMSTER; PRO0237; GPCRRHODOPSN.

RECEPTER; PRO0237; GPCRRHODOPSN.

RECEPTER; PRO0237; GPCRHODOPSN.

TRANSKEM 62 GPCRHOLIAR RECEPF1.2; 1.

TRANSKEM 62 GPCRHOLIAR RECEPTIOLAR (POTENTIAL).

TRANSKEM 62 RECTEPTIOLAR (POTENTIAL).

TRANSKEM 10 128 EXTRACELLULAR (POTENTIAL).

TRANSKEM 110 128 EXTRACELLULAR (POTENTIAL).

TRANSKEM 120 149 STRANSKEMIAL).

TRANSKEM 120 149 STRANSKEMIAL).

TRANSKEM 120 149 STRANSKEMIAL).
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N-LINKED (GLCNAC. .) (POTENTIAL)
N-LINKED (GLCNAC. .) (POTENTIAL)
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL)
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send an email to license@isb-sib.ch)
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Matches 102; Conservative
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342 AA.

PRT;

STANDARD;

RESULT 11
PAFR HUMAN
ID PAFR HUMAN
AC P25105;

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Characterization of single-nucleotide polymorphisms in coding regions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIJINE-92347886; PubMed=1322356; Seyfried C.E., Schweickart V.L., Godiska R., Gray P.W.; Seyfried C.E., Schweickart V.L., Godiska R., Gray P.W.; The human platelet-activating factor receptor gene (PTAFR) contains not introns and maps to chromosome 1."; Genomics 13:832-834(1992).
                                                                                                                                                                                       SEQUENCE FROM N.A.
MEDLINE-92028922; PubMed=1656963;
Ye R.D., Prosenitz B.R., Zou A., Cochrane C.G.;
"Characterization of a human cDNA that encodes a functional receptor for platelet activating factor.";
Biochem. Biophys. Res. Commun. 180:105-111(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     M., Altshuler D., Ireland J., Sklar P., Ardlie K., Patil N.
                                                                                                                                                                                                                                                                                                                                            TISSUE=Leukocyte;

MBDLINES2041873;
PubMed=1657923;
Nakamura M., Honda Z., Izumi T., Sakanaka C., Mutoh H., Minami M., Bito H., Seyama Y., Matsumoto T., Noma M., Shimizu T.;
Bito H., Seyama Y., Matsumoto T., Noma M., Shimizu T.;
Findlecular cloning and expression of platelet-activating factor receptor from human leukocytes!";
J. Biol. Chem. 266:20400-20405(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Molecular cloning and characterization of the platelet-activating factor receptor gene expressed in the human heart."; Biochem. Biophys. Res. Commun. 189:617-624(1992).
                                                                   Homo sapiens (Human).
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE=93192035; PubMed=8383507;
Chase P.B., Halonen M., Regan J.W.;
"Cloning of a human platelet-activating factor receptor gene:
evidence for an intron in the 5'-untranslated region.";
Am. J. Respir. Cell Mol. Biol. 8:240-244(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sugimoto T., Tsuchimochi H., McGregor C.G., Mutoh H., Shimizu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
MEDINE=2255051, PubMed=1374385;
KEDINE=2255056, PubMed=1374385;
KEDINE=2550505, PubMed=1374385;
"The human leukocyte platelet-activating factor receptor. cDN
cloning, cell surface expression, and construction of a novel
phtcpe-bearing analog.";
J. Biol. Chem. 267:9101-9106(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
Behal R.H., Debuygere M.S., Olson M.S.;
Submitted (XXX-1992) to the EMBL/GenBank/DDBJ databases.
01-MAY-1992 (Rel. 22, Created)
01-MAY-1992 (Rel. 22, Last sequence update)
28-F85-2003 (Rel. 41, Last annotation update)
Platelet activating factor receptor (PAF-R).
PTAFR OR PAFR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Heart;
MEDLINE=93112021; PubMed=1281995;
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Cargill N
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342 AA; 39203 MW; 890073C9EBA79228 CRC64;

SEQUENCE

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MIN; 173393; -.

R GO; GO: 0005887; Cintegral to plasma membrane; TAS.

R GO; GO: 0005887; C:integral to plasma membrane; TAS.

R GO; GO: 0005887; C:integral to plasma membrane; TAS.

R GO; GO: 0005992; F:platelet activating factor receptor activity; TAS.

R GO; GO: 0005992; F:platelet activating factor receptor activity; TAS.

R GO; GO: 0005935; P:chemotaxis; TAS.

R GO; GO: 0005955; P:immune response; TAS.

R GO; GO: 0005954; P:inflammatory response; TAS.

R GO; GO: 0005955; P:immune response; TAS.

R GO; GO: 0005957; P:inflammatory response; TAS.

R GO; GO: 00059037; GFCRROOPSN.

R RNOSTE; PS00237; GFCRROOPSN.

R RNOSTE; PS00237; GFCRROOPSN.

R RNOSTE; PS00237; GFRROOPSN.

R RNOSTE; PS00237; GFRROOPSN.

R PROSTE; PS00237; GFRROOPSN.

R PROSTE; PS00237; GFRROOPSN.

R PROSTE; PS00237; GFRROOPSN.

R PROSTE; PS00246; GFRROOPSN.

R PROSTE; PS00262; GFROTEIN RECRE F1 1; 1.

R G-Jymorphism.

R DOMAIN.

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                                                                                                                                                                                                                This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the BMIL unstatute on the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@igb-sib.ch).
Shaw N., Lane C.R., Lim B.P., Kalyanaraman N., Nemesh J., Ziaugra L., Friedland L., Rolfe A., Warrington J., Lipshutz R., Daley G.Q.,
                                                N-LINKED GLCNAC. . ) (POTENTIAL).
A -> D (IN dbSNP:5938).
FT1daVAR 011851.
N -> S (IN dbSNP:5939).
/FT1d=VAR 011852.
L -> P (IN REF. 6).
F -> L (IN REF. 6).
KR -> TG (IN REF. 6).
KR -> TT (IN REF. 6).
KR -> TT (IN REF. 6).
KR -> TT (IN REF. 6).
KR -> T (IN REF. 6).
KR -> A (IN REF. 6).
F -> A (IN REF. 6).
K -> A (IN REF. 6).
K -> N (IN REF. 5).
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EXTRACELLULAR (POTENTIAL).
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EXTRACELLULAR (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                             EMBL; M80436; AAA60001.1; --
EMBL; M76674; AAA60002.1; --
BMBL; D10202; BAA01050.1; --
EMBL; M88177; AAA6014.1; --
EMBL; S52624; AAB24695.2; --
EMBL; L07334; AAA60108.1; --
EMBL; S56396; AAB25755.1; --
PIR; A40191; A40191.
                                 E.S.;
enet. 23:373-373(1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 MADMLFLITLPLMIVYYQNQGNWILPKFLCNVAGCLFFINTYCSVAFLGVITYNRFQAVT 120
                                                                                                                                                                                   RPFKTSNPKNLLGAKILSVVIW----AFWFLLSLPNMILTNROPRDK---NVKKCSFLK 179
                                                                                                                                                                                                                 121 RPIKTAQANTRKRGISLSLVIMVAIVGAASYFLILDS---TNTVPDSAGSGNVTRC-FEH 176
                                                                                                                                                                                                                                                                  177 YEKGSVPVLIHIFIVFSFPLVFLILFCNLVIRTLLMQPVQQQRNAEVRRALWM-VC 235
                                                                                                                                                                                                                                                                                                           240 IIIAVPFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYF 299
                                                                                                                        68 ISDLIMILTEPPKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTT 127
                                                                                                                                                                                                                                                                                                                                       236 TVLAVFIICFVPHHVVQLPWTLAEL-GPQDSKFHQAINDAHQVTLCLLSTNCVLDPVIYC 294
                                                            11 PGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIR--SKSNFI-IFLKNTV
                                                                               180 SEFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVP
                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cavia porcellus (Guinea pig).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Hystricognathi, Caviidae, Cavia.
NCBI_TaxID=10141,
                                26;
   DB 1; Length 342;
Query Match
22.2%; Score 394; DB 1; Length 342
Best Local Similarity 32.6%; Pred. No. 8e-21;
Matches 107; Conservative 61; Mismatches 134; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-1991 (Rel. 18, Created)
01-AUG-1991 (Rel. 19, Last sequence update)
01-OCT-1996 (Rel. 34, Last annotation update)
Platelet activating factor receptor (PAF-R).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                342 AA
                                                                                                                                                                                                                                                                                                                                                                        FLCKSFRN----SLISMLKCPNSAT 320
                                                                                                                                                                                                                                                                                                                                                                                                      295 FLTKKFRKHLTEKFYSMRSSRKCSRATT 322
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InterPro; IPR000276; GPCR_Rhodpsn.
Pfam; PF00001; 7tm_1; 1.
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137 NLLGAKILSVVIW----AFMFLLSLPNMILTNRQPRDKNVKKCSFLKSEFG----LVWH 187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK 136
                                                                                                                                                                                                                                                                                                                                                               243 ICFVPHHMVQLPWTLAEL-GMWPSSNHQAINDAHQVTLCLLSTNCVLDPVIYCFLTKKKFR 301
                                                                                                                                                                                                                                                                                                                        247 ICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFR 306
                                                                                                                                                                                                                                                                                                           20 DYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQI--RSKSNFI-IFLKNTVISDLLMILT
                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-0CT-1993 (Rel. 27, Created)
01-0CT-1993 (Rel. 27, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
28-FEB-2003 (Rel. 41, Last annotation update)
EBV-induced G protein-coupled receptor 2 (EBI2).
EBI2.
EBI2.
Bukaryota, Metazoa; Chordata; Craniata, Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                            CYTOPLASMIC (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
N-LINKED (GLCNAC. . .) (POTENTIAL)
N-LINKED (GLCNAC. . .) (POTENTIAL)
                                                                                                                                                                                                                                                                                       21;
                                                                                                                                                                                                                                                                 tch 22.1%; Score 392.5; DB 1; Length 342; al Similarity 30.7%; Pred. No. 1e-20; 103; Conservative 66; Mismatches 146; Indels 21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
MEDLINE=9188173; PubMed=8383238;
Birkenbach M.P., Josefsen K., Yalamanchili R.R., Lenoir G.M.,
Kieff E.;
4 (POTENTIAL).

EXTRACELLULAR (POTENTIAL).

5 (POTENTIAL).

CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                     6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                              B6413B3A5C87B175 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         307 NSLISMLKCPNSATSLSQDNRKKBQDGGDPNEETPM 342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           302 KHLSEKLNIMRSSOKCSRVTTDTGTEMAIPINHTPV 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT; 361 AA.
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90 1
342 AA;
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ID _EB12_HUMAN
AC P32249;
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"Epstein-Barr virus-induced genes: first lymphocyte-specific G

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          63 INSTILYSTNLVISDILFTTALPTRIAYYAMGFDWRIGDA----LCRITALVFYINTYA 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       111 SISFLGLITIDRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMI--LTNRQPR 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        236 SGVNK ---KALNT-IILIIVVFVLCFTPYHVAIIQHMIKKARRFSNFLECSQRHSFQISLH 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  169 DKNVKKCSFLKSEFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRS----YVRT 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MOAVDNLT----SAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSK 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REMEL; L08177; AAA35924.1; -...
REMEL; L08177; AAA35924.1; -...
REMEL; MACCA128; E8580.
REMEL; MACCA128; E812.
REMEL; MACCA128; E812.
REMEL; MACCA128; E812.
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REMEL; PGO00118; PGO00118; PGO00118; PGO00118; PGO00118; PGO00118; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST; PROCEST;
protein-coupled peptide receptors.";

J. Virol. 67:2209-2220(1993)

-I- FUNCTION: ORPHAN RECEPTOR. PROBABLE MEDIATOR OF EBV EFFECTS ON B.
LIMPHOCYTES OR OF NORMAL LYMPHOCYTE FUNCTIONS.
-I- TISSUE SPECIFICITY: B-LYMPHOCYTE CELL LINES.
-I- INDUCTION: BY EBV.
-I- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
-I- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
-I- CAUTION: IT IS UNCERTAIN WHETHER MET-1 OR MET-5 IS THE INITIATOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             224 RGVGKVPRKKVNVKVFIIIAVFFICFVPFHFARIPYTLSQTR--DVFDCTAENTLFYVKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21.3%; Score 379.5; DB 1; Length 361; 26.0%; Pred. No. 8.6e-20; tive 84; Mismatches 152; Indels 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CYTOPLASMIC (POTENTIAL). INTERACTION WITH G PROTEINS.
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CYTOPLASMIC (POTENTIAL).
4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
5 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
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CYTOPLASMIC (POTENTIAL).
2 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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Matches 94; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             361 AA;
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              292 FIVCLMNFNCCMDPFIYFFACKGYKRKVMRMLK-RQVSVSISSAVKSAPEENSREMTETQ 350
STLWLTSLNACLDPFIYFFLCKSFRNSLISMLKCPNSATSLSQDNRKKBQDGGDPNEETP 341
                                                                                                                                                                                                                                                                              [1] SEQUENCE FROM N.A. SANCE T., Matsumoto M., Matsumoto S., Saito T., Samohara M., Takasaki J., Matsumoto M., Matsumoto T., Ohishi T., Soga T., Matsushime H., Furuichi K.; Characterization of the cloned rat and porcine cysteinyl leukotriene "Characterization of the cloned rat and porcine cysteinyl leukotriene"
                                                                                                                                                                                                                                                                                                                                         receptors.",
Submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: Receptor for cysteinyl leukotrienes. The response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system (By similarity).
-!- SUBCELLULAR LOCATION: Integral membrane protein.
-!- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
                                                                                                                                                                                                                                     Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Cetartiodactyla, Suina, Suidae, Sus.
NCBI_TaxID=9823;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N-LINKED (GLCNAC. .) (POTENTIAL).
N-LINKED (GLCNAC. .) (POTENTIAL).
N-LINKED (GLCNAC. .) (POTENTIAL).
N-LINKED (GLCNAC. .) (POTENTIAL).
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PRINTS; PR00237; GPCRHODOPSN.
PROSITE; PS00237; G PROTEIN RECEP_F1_1; FALSE_NEG.
PROSITE; PS50262; G_PROTEIN_RECEP_F1_2; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein.
43 EXTRACELLUIAR (POTENTIAL).
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EXTRACELLULAR (POTENTIAL)
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SDIBIFB89BB95905 CRC64;
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EXTRACELULAR (POTENTIAL)
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CYTOPLASMIC (POTENTIAL).
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2 (POTENTIAL).
                                                                                                                                                                       28-FEB-2003 (Rel. 41, Last sequence update)
28-FBB-2003 (Rel. 41, Last annotation update)
Cysteningl leukotriene receptor 2 (CysLTR2).
Sus scrofa (Pig).
                                                                                                                                       345 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL, AB052662, BAB60817.1, -.
InterPro, IPR004071, Cysleuk receptor.
InterPro, IPR000276, GPCR_Rhodpsn.
                                                                                                                                                              28-FEB-2003 (Rel. 41, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   39410 MW;
                                                                                                                                     STANDARD;
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177
184
345 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; IPR000276
Pfam; PF00001; 7tm_
                                               M 342
                                                                    351 M 351
                                                                                                                                    CLT2 PIG
Q95N03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TRANSMEM
DOMAIN
TRANSMEM
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TRANSMEM
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DISULFID
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                                                342
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                                                                      9
                                                                                                                                                                                                                                                                                                                   CSFLKSEFGLVWHEIVNYICQVI-FWINFLIVIVCYTLITKELYRSYVRTRGVGKVPRKK 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           246 ALITVIIALIIFLLCFLPYHVLRTLHLLEWKAD----KCKDRLHKAVAVTLALAAANSCF 301
                                                                                                                                                                                                                                                                                                                                                                                                                115 LGLITIDRYQKTTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKK 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              234 VNVKVFIIIAVFFICFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKGSTLWLTSLNACL 293
                                                                                                                                     1 MOAVDNLTSAPGNTSLCTRDYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNFI 60
                                                                                                                                                                                                    17 MEPNSTLGNHNSNRSCTTENFK--REFYPIVYLVIFIWGALGNGFSIYVPLKPYKKSTSV 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  188 CLELNSN-KVTKLKTMNYVALVVGFVLPPGTLSICYLLIIRALLKVEVPESGL-RLSHRK
                                                                                                                                                                                                                                                                          61 -IFLKNTVISDLLMILTPPFKI-----LSDAKLGTGPLRTFVCQVTSVIFYFTMYISISF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "A mutine platelation and up-requlation of expression by inpopulyaaccharide in peritoneal resident macrophages."; Juniopolyaaccharide in peritoneal resident macrophages."; Bliochem. J. 314:671-678 [0.966].
-!- FUNCTION: RECEPTOR FOR PLATELET ACTIVATING FACTOR, A CHEMOTACTIC PHOSPHOLIPID MEDIATOR THAT POSSESSES POTENT INFLAMMATORY, SMOOTH-MUSCLE CONTRACTILE AND HYPOTRENTY ACTIVATE A PHOSPHATIDYLINOSITOL-CALCIUM SECOND MESSENGER SYSTEM.
-!- SUBCELLULAR LOCATION: Integral membrane protein.
                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
                                                                      22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ishii S., Matsuda Y., Nakamura M., Waga I., Kume K., Izumi T.,
Noma M., Shimizu T.;
   Length 345;
20.6%; Score 367; DB 1; Length 34:
29.0%; Pred. No. 6.1e-19;
.ive 72; Mismatches 134; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-1998 (Rel. 36, Created)
15-JUL-1998 (Rel. 36, Last sequence update)
15-JUL-1998 (Rel. 36, Last annotation update)
Platelet activating factor receptor (PAF-R).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                302 NPFLYYFAGENFKDRLKSALR 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        294 DPFIYFFLCKSFRNSLISMLK 314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL, D50872; BAA09468.1; -.
PIR, S63665; S63666.
MGI.106066; Ptafr.
InterPro; IPR000276; GPCR_Rhodpsn.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=129/Sv;
MEDLINE=96239129; Pubmed=8670084;
                                                                      93; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus (Mouse)
Query Match
Best Local Similarity
Matches 93; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
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Query Match 20.6%; Score 366; DB 1; Length 341;
Best Local Similarity 29.9%; Pred. No. 7.1e-19;
Matches 96; Conservative 64; Mismatches 133; Indels 28; Gaps 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 77 FPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDRYQKTTRPFKTSNPK 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      137 NLLGAKILSVVIWAFM----FLLSLPNMILTNROPRDKNVKKCSFLKSEFG---LVWHE 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     248 CFVPFHFARIPYTLSQTRDVFDCTAENTLFYVKESTLWLTSLNACLDPFIYFFLCKSFRN 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                244 CFVPHHVVQLPWTLAELG--YQTNFHQAINDAHQITLCLLSTNCVLDPVIYCFLTKKFRK 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 DYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQI--RSKSNFI-IFLKNTVISDLLMILT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 DSEFRYTLFPIVYSVIFILGVVANGYVLWVFANLYPSKKINBIKIFMYNLTWADLIFLIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              189 IVNYICQVIFWINFLI-VIVCYTLITKELYRSYVRTRGVGKVPRKKVNVKVFIIIAVFFI
                                                                                                                                                                                                                                                                                                                                                                                     7 (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
N-LINKED (GLCNAC. . .) (POTENTIAL).
N-LINKED (GLCNAC. . .) (POTENTIAL).
BY SIMILARITY.
CAABCDDBDBD26897 CRC64;
                                                                                                                                                      EXTRALDIA).

1 (POTENTIAL).

2 (POTENTIAL).

EXTRACELLULAR (POTENTIAL).

3 (POTENTIAL).

3 (POTENTIAL).
PRINTS; PR00237; GPCRHODOPSN.
PROSITE; PS00237; GPCRHODOPSN.
PROSITE; PS00237; GPROTEIN RECEP_F1_2; 1.
G-protein coupled receptor; Transmembrane; Glycoprotein; DOMAIN
1 16 EXTPANSMEM 17 2.
                                                                                                                                                                                                                                                                                                           S (POTENTIAL).
CYTOPLASMIC (POTENTIAL).
6 (POTENTIAL).
EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                           4 (POTENTIAL).
EXTRACELLULAR (POTENTIAL)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         39148 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         341 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                      169
                                                                                                                                                                                  DOMAIN
TRANSMEM
DOMAIN
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CARBOHYD
DISULFID
SEQUENCE
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TRANSMEM
DOMAIN
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Search completed: February 4, 2004, 14:29:33 Job time : 19 secs